Hustler® 1500 Greens Mower
Parts Manual

HUSTLER®

Excel Industries, Inc.

P.O. Box 7000

Hesston, Kansas

67062-2097

WARNING:

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

NOTICE OF REQUIREMENT OF SPARK ARRESTER MUFFLER

This equipment may create sparks that can start fires around dry vegetation. California Public Resources Code Section 4442.6 provides that it is unlawful to use or operate an internal combustion engine on any forest-covered, brush-covered, or grass-covered land unless the engine is equipped with a spark arrester maintained in effective working order. A spark arrester is a device constructed of nonflammable materials specifically for the purpose of removing and retaining carbon and other flammable particles over 0.0232 of an inch in size from the exhaust flow of an internal combustion engine that uses hydrocarbon fuels or which is qualified and rated by the United States Forest Service. Other states or federal areas may have similar laws. The Operator Should Contact Local Fire Agencies For Laws or Regulations Relating to Fire Prevention Requirements. THIS EQUIPMENT DOES NOT HAVE A SPARK ARRESTER AND YOU SHOULD CONTACT YOUR AUTHORIZED DEALER FOR THE PURCHASE OF A SPARK ARRESTER.

Inspect spark arrester daily; replace every 500 hours or as needed.

The Engine Owner's Manual provides information regarding the U.S. Environmental Protection Agency (EPA) and the California Emission Control Regulation of emission systems, maintenance and warranty.

Keep Engine Owner's Manual with your unit. Should the Engine Owner's Manual become damaged or illegible, replace immediately. Replacements may be ordered per the information found in the Product Information section of the owner's manual.

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General Information

This Manual covers Hustler® 1500 Greens Mower models ***929802US*** *&* ***929810US****.*

Service Literature

PART NO.	DESCRIPTION
113417	OPERATOR'S MANUAL

Options Available From Your Dealer

PART NO.	DESCRIPTION
929729	5" X 11-BLADE REEL
929745	5" X 7-BLADE REEL

Note: *When ordering parts, you must use the part number as shown for each part, not the index number. Always give the model and serial number to your parts and service representative.*

Note: *Items sold in bulk such as seals and hoses are sold by the foot.*

Using This Manual

This manual is part of a service package for the Hustler® mowers. Use of this manual in conjunction with other Hustler® mower and component manuals will provide the information necessary to service and maintain Hustler® mowers.

This Parts Manual provides a complete parts listing for the unit. Use this manual when ordering parts. Illustrations used were current at the time of printing, but subsequent production changes may cause your machine to vary slightly in detail. Excel Industries, Inc. reserves the right to redesign and change the machine as deemed necessary, without notification. If a change has been made to your machine which is not reflected in this parts manual, see your authorized dealer for current information and parts.

The Service Manual is a service guide for use by Service Technicians. It provides the necessary information needed to perform normal maintenance requirements on these units.

The Operator's Manual provides fundamental operational information and operational safety that is needed when operating the mower.

The component manuals are furnished by the various manufacturers to be used for the troubleshooting and servicing of their products.

Hardware Description Codes & Abbreviations

The following codes are used throughout this parts manual. Refer to this list when ordering parts.

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
CB	CARRIAGE BOLT	MB	MACHINE BUSHING
CE	CLEVIS PIN	MS	MACHINE SCREW
CN	CLIP NUT	NT	NUT
CP	COTTER PIN	SC	SELF TAPPING CAP SCREW
CS	CAP SCREW	SH	SOCKET HEAD
CW	CUP WASHER	SB	SHOULDER BOLT
FDRW	FENDER WASHER	SS	SET SCREW
FW	FLAT WASHER	OD	OUTSIDE DIAMETER
HX	HEX HEAD	ID	INSIDE DIAMETER
LW	LOCK WASHER		

Standard Torques

The following chart lists the standard torque values for the threaded fasteners found in this manual. Torque all cap screws, nuts and set screws to these values unless a different torque is shown in the Notes section next to the fastener.

SIZE	FT-LBS	NM
.250	8.2	11.1
.312	17	23
.375	30	40
.438	48	65
.500	73	99
.562	105	143
.625	145	200
.750	260	350
.875	420	565
1.00	625	850

SIZE	FT-LBS	NM
M3	1	1.3
M4	2.2	3
M5	4.5	6.1
M6	7.7	10.4
M8	18.5	25
M10	37	50
M12	64	87
M14	80	108.5
M16	160	215
M20	320	435
M24	555	750

Section 2

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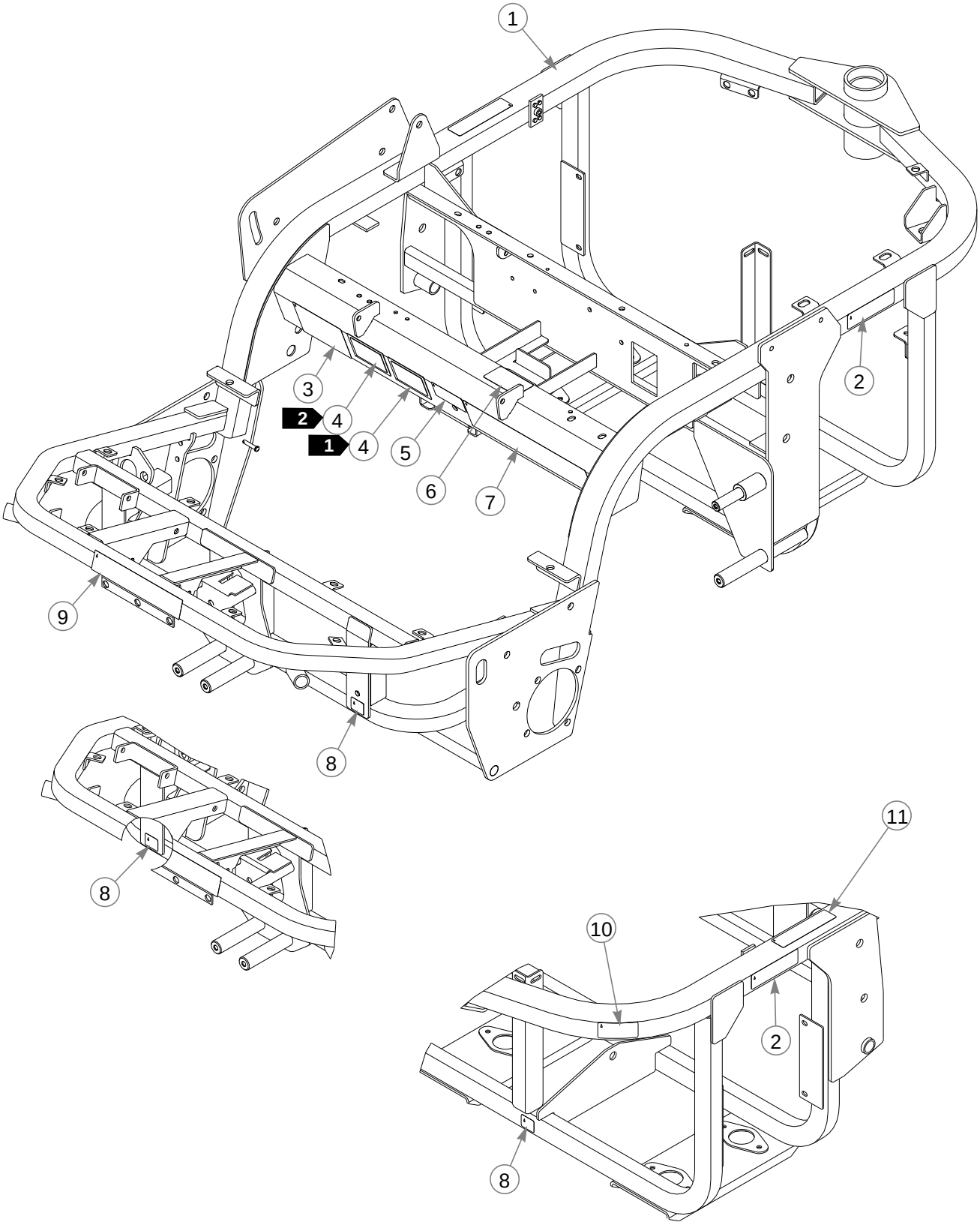
Frame



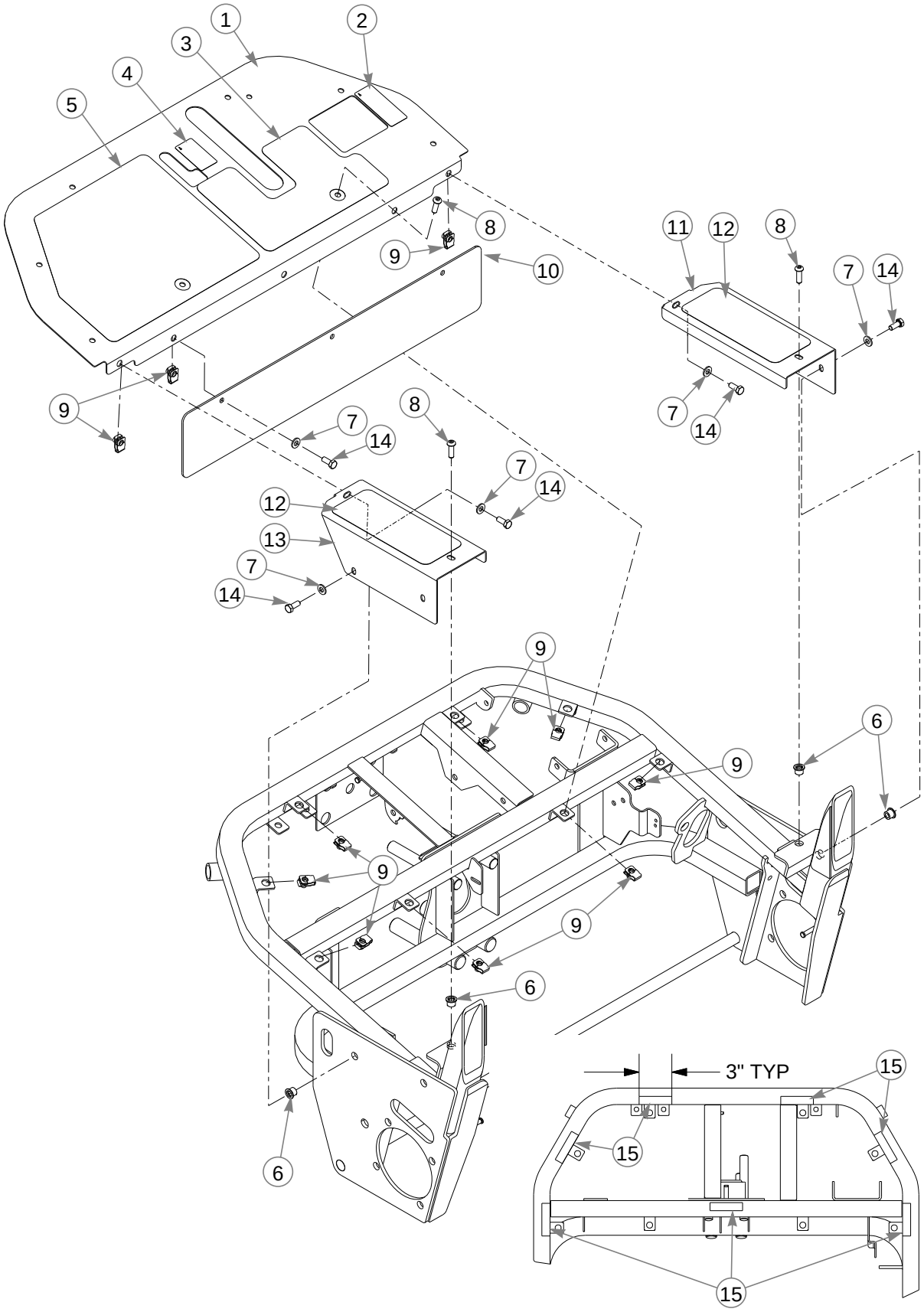
Frame

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	551011	1	FRAME, 1500 (WITH DECALS)
2	602814	2	1500 TRIPLEX DECAL
3	602308	1	CUT HEIGHT DECAL
4	N/A	2	TURF PRODUCTS SERIAL NO. PLATE
5	602926	1	SEAT LATCH DECAL
6	601968	1	HYDRAULIC PRESSURE DECAL
7	602919	1	SAFETY DECAL
8	602921	3	JACKING/LIFTING DECAL
9	602261	1	HUSTLER LOGO DECAL
10	602041	1	HOT DECAL
11	603466	1	DECAL, SAFETY ENG COVER

NOTES:

1. Serial Number plate. In the event the serial number tag becomes damaged or illegible, please contact your dealer to order a replacement.
2. EPA compliance plate.

Footrest


1
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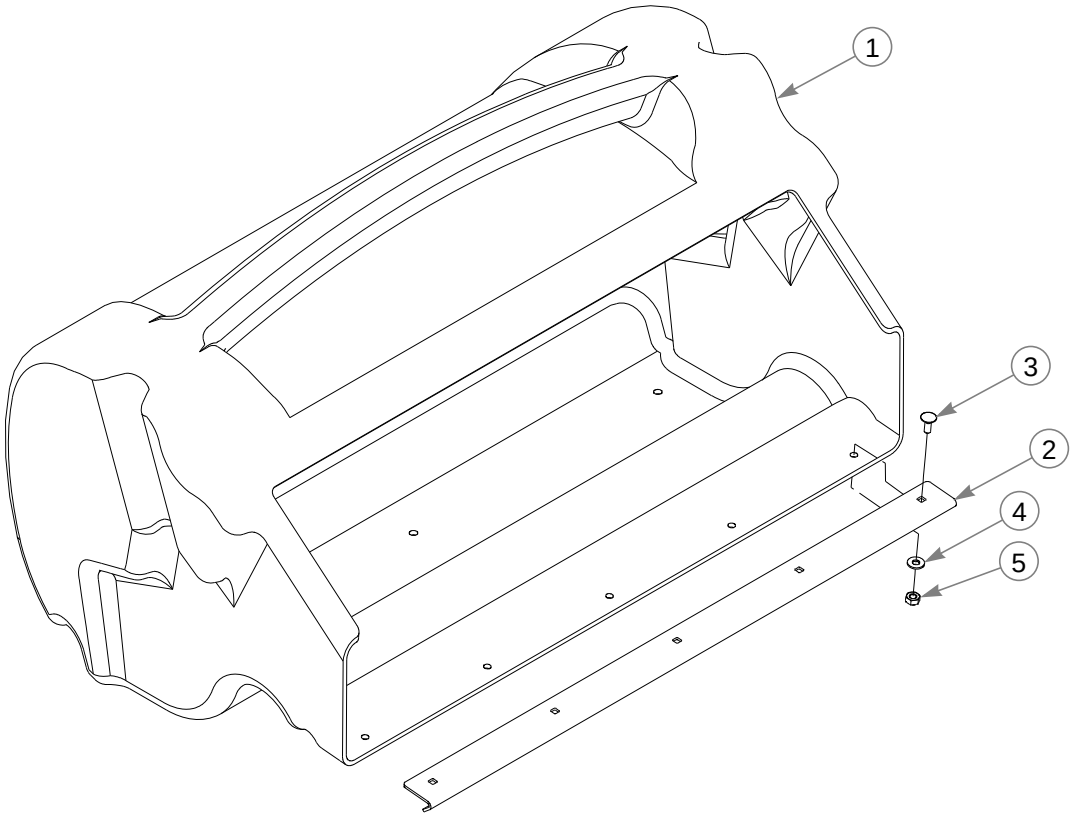
6
3" TYP
15
15
15

Footrest

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	550986	1	FLOOR PLATE (WITH TREADS & DECALS)
2	602920	1	FWD-REV DECAL
3	112852	1	FOOT PAN STEP TREAD
4	602915	1	PARK BRAKE DECAL
5	603364	1	LEFT STEP TREAD
6	808485	6	RIVET NUT, 5/16-18 THREAD
7	768523	9	FW .343 X .687 X .051/.080H
8	602727	10	CS .312-18 X 1.0 BHSK ZNYC
9	601069	13	CN .312-18 X .200 MAX THK
10	114392	1	FLOOR PLATE EXTENSION
11	550984	1	RS FLOOR COVER (WITH TREAD)
12	112851	2	STEP TREAD, COVER
13	550985	1	LS FLOOR COVER (WITH TREAD)
14	034280	9	CS .312-18 X .750 HX G5
15	033035	21"	WEATHERSTRIP .12 X .75

NOTES:

Basket



Basket

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	602779	1	BASKET
2	114139	1	STIFFENER
3	601098	5	CB 10-24 X .500 ZYNC
4	704932	5	FW .219 X .500 X .048 ZN
5	059832	5	NT #10-24 HX NL ZN

NOTES:

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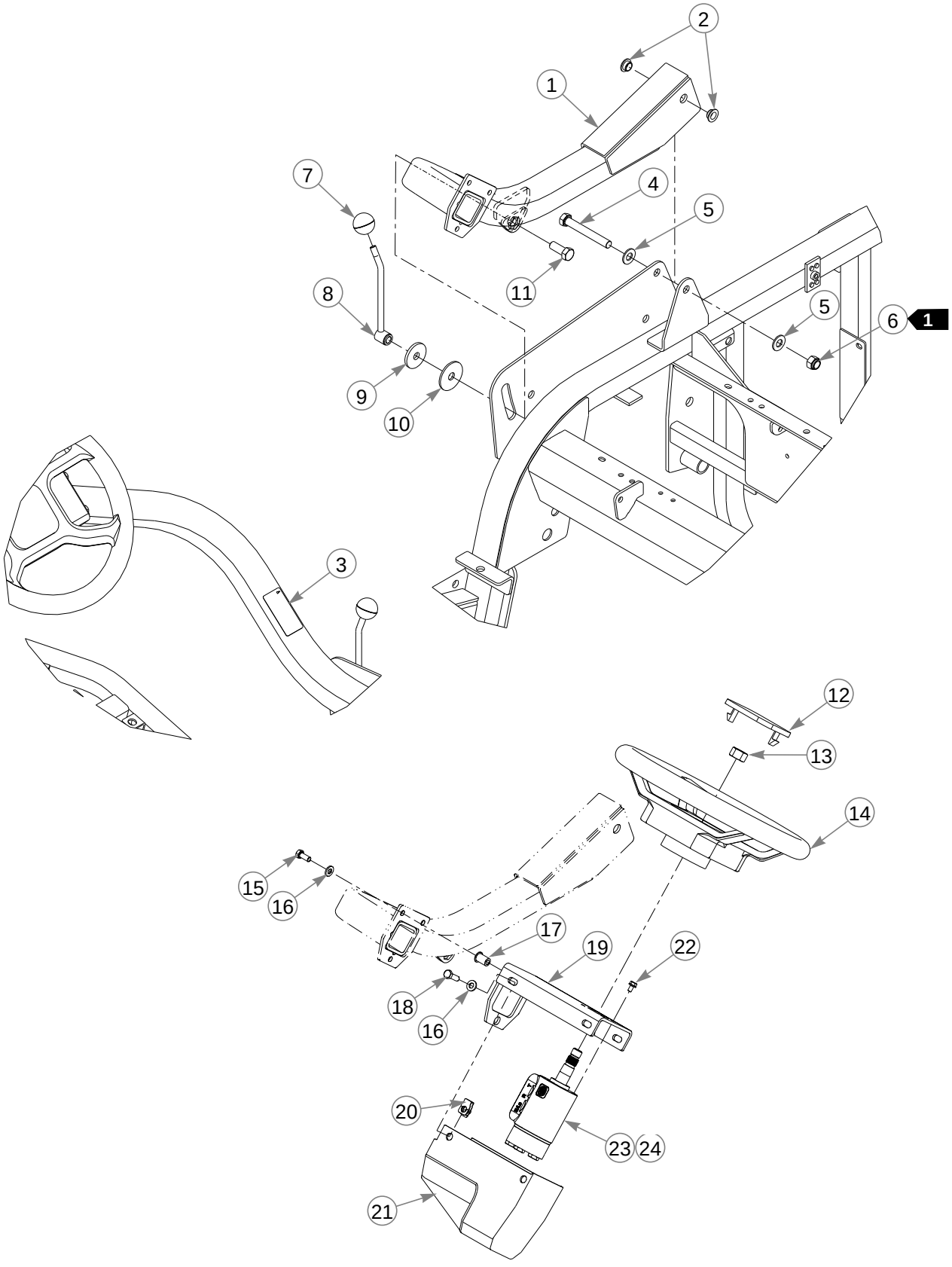
Steering Wheel Support



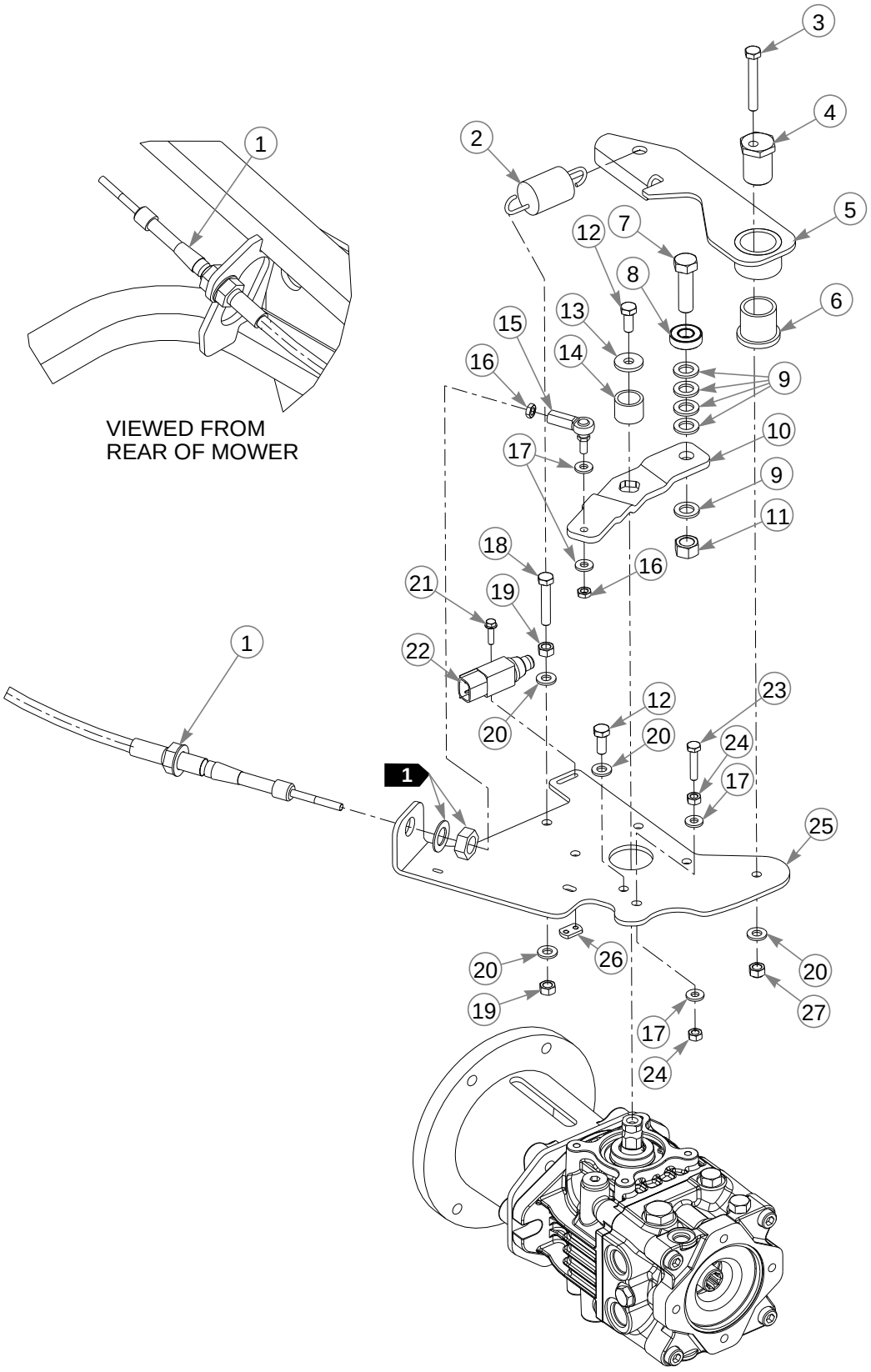
Steering Wheel Support

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	112050	1	STEERING TUBE
2	768259	2	BUSHING
3	602924	1	STEERING DECAL
4	068023	1	CS .500-13 X 3.750 HX G8
5	767962	2	FW .531 X 1.063 X .090 SAE
6	781567	1	NT .500-13 HX G8 ZY NL
7	601059	1	KNOB
8	112057	1	PIVOT HANDLE
9	078386	1	FW .510 X 1.750 X .18 ZNYC
10	263517	1	BEARING DISC
11	705954	1	CS .500-13 X 1.250 HX G5 ZN
12	602899	1	STEERING WHEEL CAP
13	021634	1	NT .625-18 HX PN
14	602426	1	STEERING WHEEL
15	034280	3	CS .312-18 X .750 HX G5
16	768523	7	FW .343 X .687 X .051/.080H
17	808485	3	RIVET NUT, 5/16-18 THREAD
18	036236	4	CS .312-18X1.000 HX G5
19	112059	1	BRACKET
20	601069	4	CN .312-18X.200 MAX THK
21	602569	1	STEERING COVER
22	739144	4	CS M 6-1.0 X 12 10.9 HX
23	602420	1	STEERING UNIT
24	603416	1	SEAL KIT–STEERING UNIT

NOTES:

1. Do not torque nut; it should be snug but allow the steering tube to pivot freely.

Drive Linkage



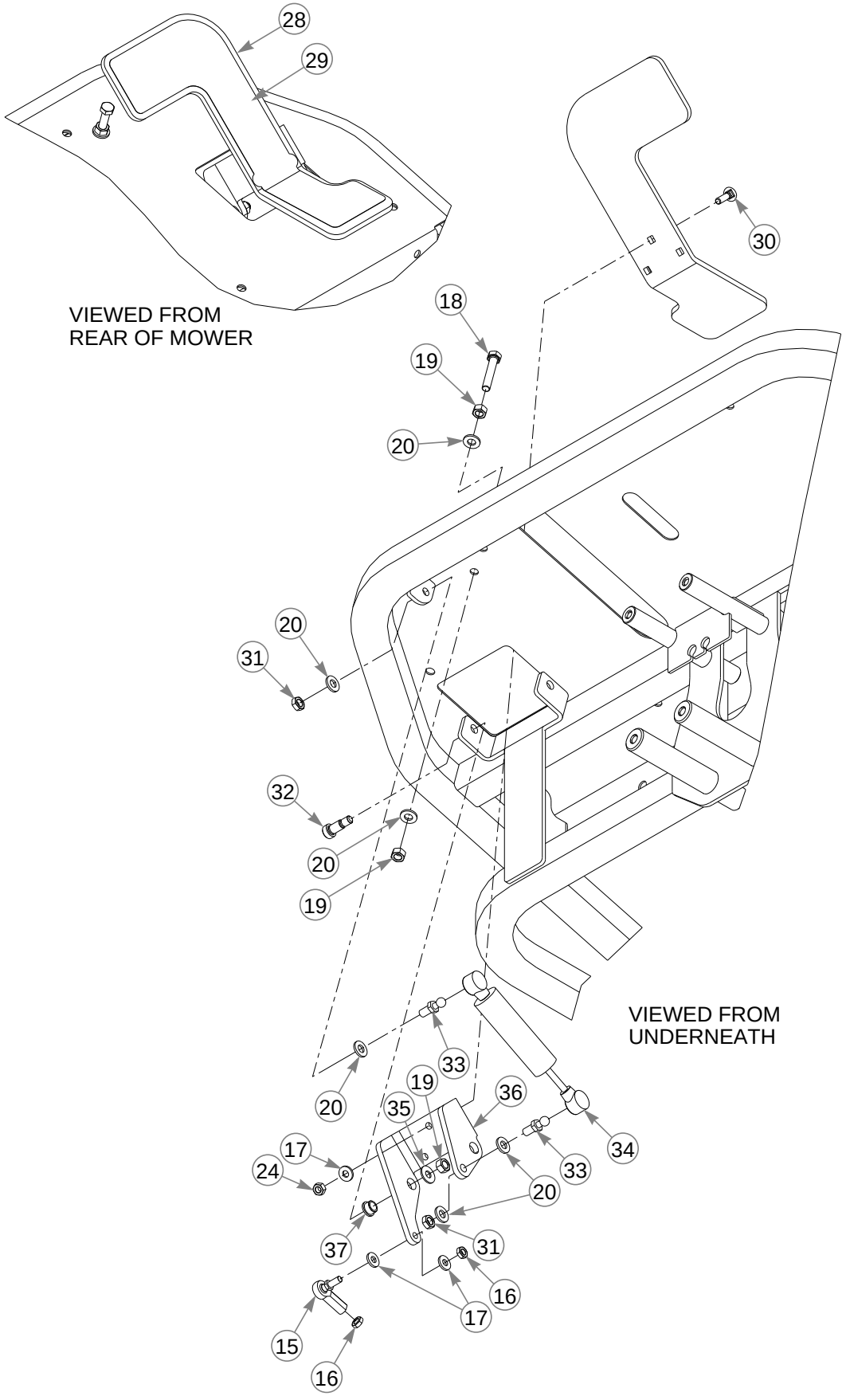
Drive Linkage

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602610	1	CABLE, PUSH/PULL 2"STRK
2	036384	1	SPRING 1/4 COIL PL 1.23
3	038828	1	CS .312-18 X 2.250 HX G5
4	112497	1	PIVOT CAM STUD
5	112496	1	CENTERING LEVER
6	603262	1	BUSHING, 1.00 I.D.
7	017616	1	CS .500-13 X 1.750 HX G5
8	602631	1	BEARING
9	718288	5	FW .516 X .875 X .09 ZNYC
10	112493	1	CONTROL LEVER ARM
11	008193	1	NT .500-13 HX G5 ZNYC
12	028035	5	CS M 8-1.25 X 20 HX G8.8
13	712927	1	FW .344 X 1.00 X.12 HRD Z
14	602867	1	SPACER, 1.00 OD X .109
15	602630	2	ROD END W STUD 1/4-28
16	058842	4	NT .250-28 HX JAM ZNYC
17	768515	11	FW .281 X .625 X .051/.080H
18	050161	2	CS .312-18 X 1.750 HX G5
19	034272	9	NT .312-18 HX G5 ZNYC
20	768523	16	FW .343 X .687 X .051/.080H
21	063198	2	CS 10-24 X .750 HXFLK ZN
22	602538	1	SWITCH PLUNGER, NC/NO
23	704916	1	CS .250-20 X 1.250 HX G5
24	024927	5	NT .250-20 HX GR.5 ZNYC
25	112492	1	BASEPLATE
26	601822	1	NUT PLATE, .420 CENTERS
27	058776	1	NT .312-18 HXZY NL

NOTES:

1. Part of cable.

Drive Linkage

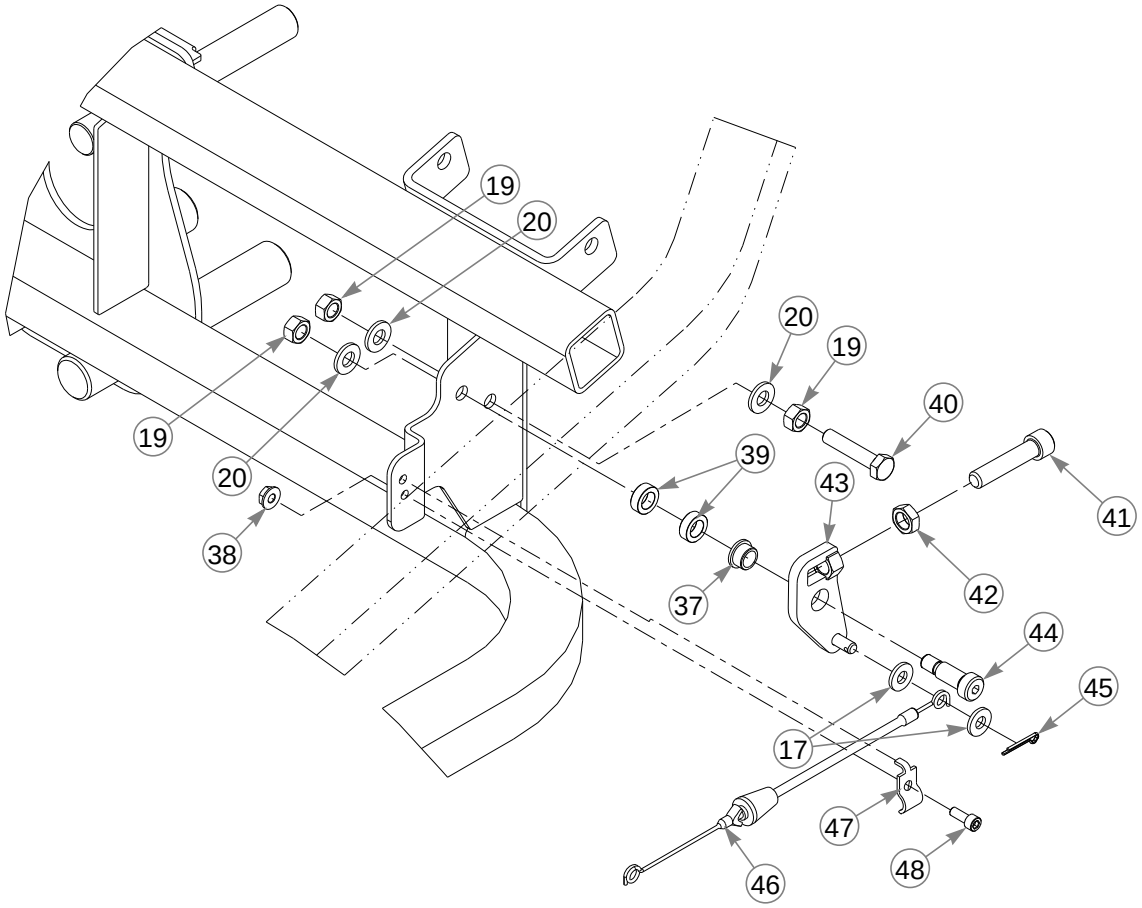


Drive Linkage

INDEX NO.	PART NO.	QTY.	DESCRIPTION
28	551017	1	FWD/REV PEDAL (W/ TREAD)
29	602706	1	STEP TREAD
30	056325	3	CB .250-20 X 1.000 FUL Z
31	706143	2	NT .312-18 HX JAM GR5 ZY
32	722678	2	SB .375 X .62SH .312-18 T
33	781922	2	BALL STUD
34	602667	1	STEERING DAMPER
35	713685	2	FW .312 X .75 X .06 ZNYC
36	114303	1	PIVOT BRACKET
37	765339	3	BUSHING

NOTES:

Drive Linkage

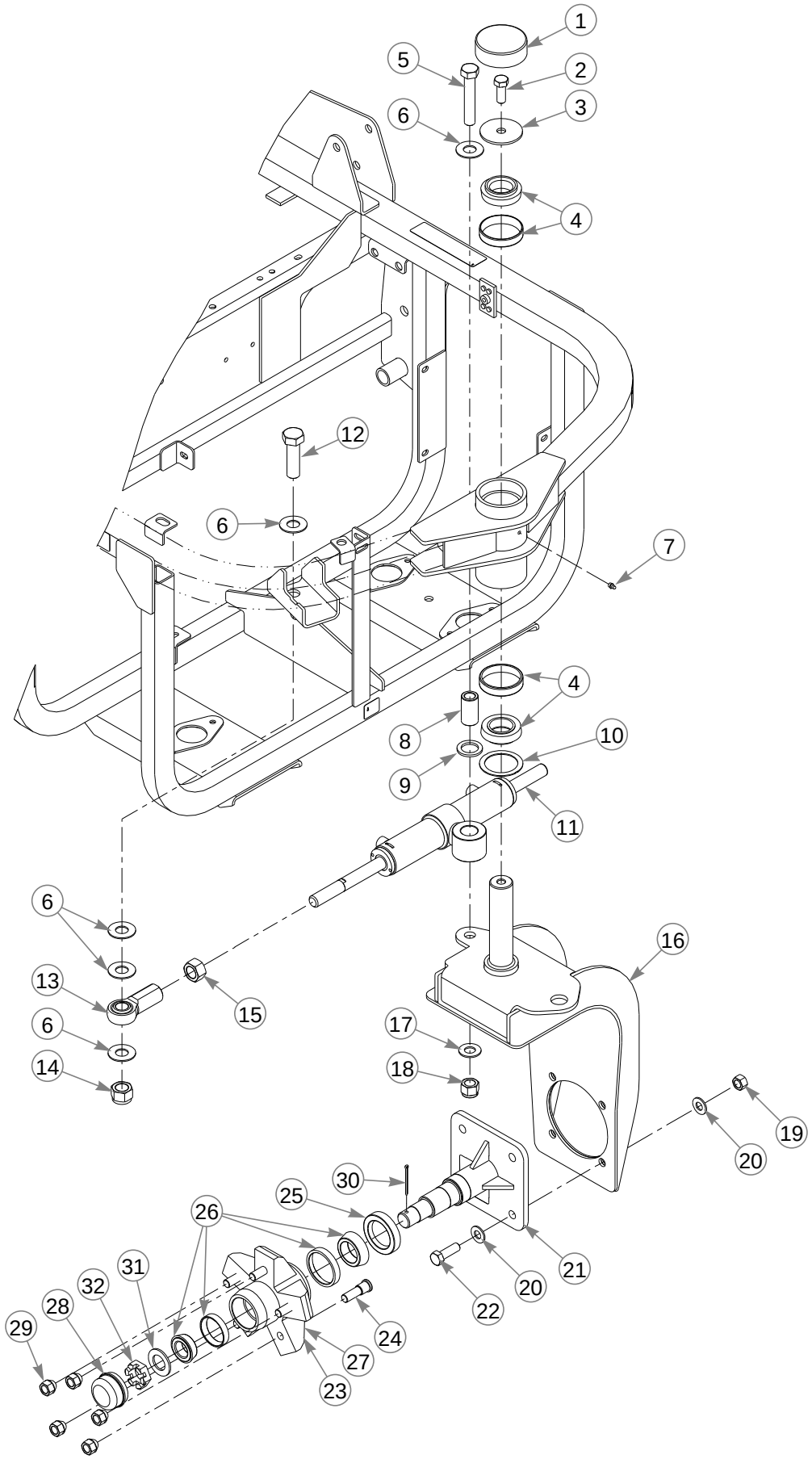


Drive Linkage

INDEX NO.	PART NO.	QTY.	DESCRIPTION
38	016774	1	NT #10-24 HXFLK ZN
39	601839	2	PIVOT SPACER BUSHING
40	052837	1	CS .312-18 X 1.500 HX G5
41	603417	1	CS .375-16 X 1.75 SH ZN
42	706168	1	NT .375-16 HX JAM GR5 Z
43	114284	1	PIVOT
44	032581	1	SB .375 X .750 SH.312-18
45	017236	1	CP .093D X .750 LG HML Z
46	603321	1	CABLE, MOW STOP
47	011841	1	CONDUIT CLIP
48	794495	1	CS 10-24 X .500 SKTHD Z

NOTES:

Rear Steering Fork

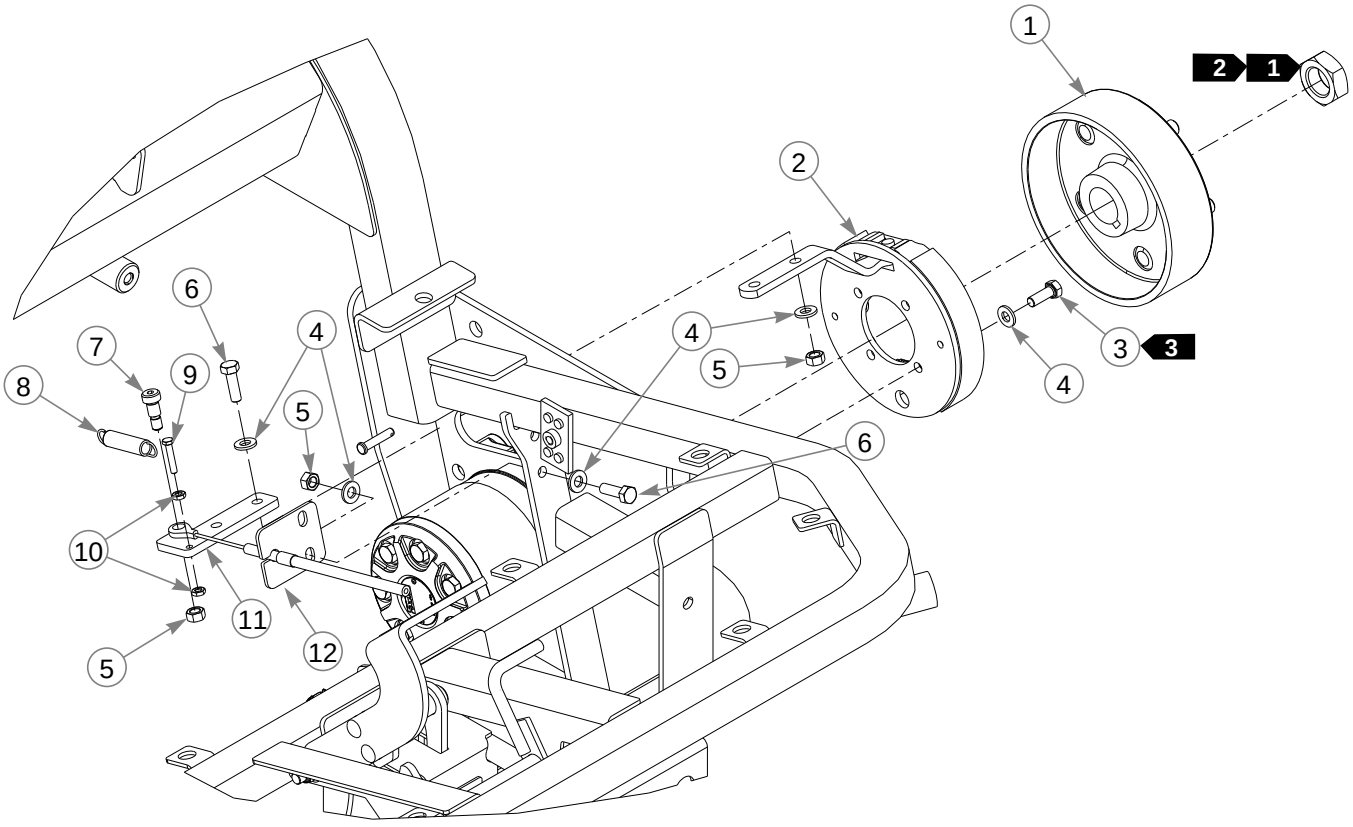


Rear Steering Fork

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602726	1	VINYL CAP
2	705954	1	CS .500-13 X 1.250 HX G5 ZN
3	602668	1	FW .531 X 2.5 X .134
4	602425	2	ROLLER BEARING
5	047704	1	CS .625-11 X 3.500 HX G5
6	025296	5	FW .760 X 1.625 X .08 ZNYC
7	015495	1	GREASE FITTING STRAIGHT
8	115157	1	BUSHING, STEER CYLINDER
9	045765	1	FW 1.030 X 1.500 X .134 ZN
10	115839	1	GREASE SHIELD
11	602417	1	STEERING CYLINDER
12	016725	1	CS .750-10 X 2.500 HX ZNY
13	602721	1	ROD END
14	061101	1	NT .750-10 HXZY NL
15	036855	1	NT .750-16 HX ZNYC
16	111976	1	CASTER FORK
17	728030	1	FW .656 X 1.312 X .090 ZNY
18	058768	1	NT .625-11 HXZY NY
19	008193	4	NT .500-13 HX G5 ZNYC
20	767962	8	FW .531 X 1.063 X .090 SAE
21	112138	1	SPINDLE
22	074252	4	CS .500-13 X 1.500 HX G5
23	602526	1	SPINDLE HUB
24	602533	5	WHEEL STUD
25	602527	1	SEAL
26	603410	1	HUB BEARING, RACE KIT (INCLUDES SEAL)
27	602532	1	HUB
28	602529	1	DUST CAP
29	061077	5	LUG NUT
30	602525	1	COTTER PIN
31	602524	1	WASHER
32	602523	1	SHAFT NUT

NOTES:

Brake



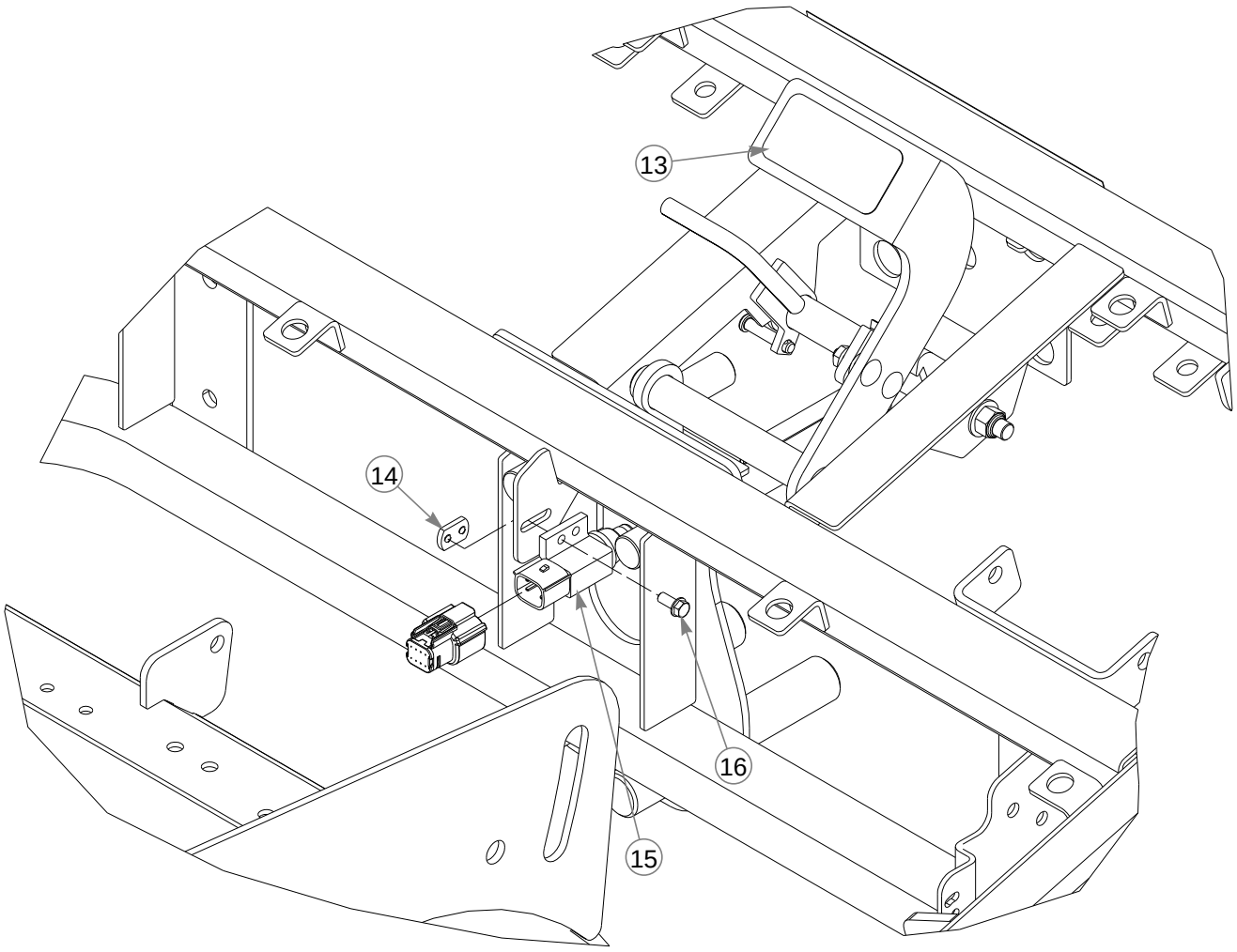
Brake

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602384	2	HUB ASSY (WITH STUDS)
2	602383	2	BRAKE ASSY
3	064014	8	CS .312-18 X .875 HX G5 ZN
4	768523	24	FW .343 X .687 X .051/.080H
5	034272	10	NT .312-18 HX G5 ZNYC
6	036236	8	CS .312-18 X 1.000 HX G5
7	063297	2	SB .375 X .500 SH .312-1
8	018960	3	SPRING
9	715599	2	CS 10-24X1.000 HX G5 ZN
10	035626	4	NT #10-24 HX ZN
11	114026	2	BRAKE ARM
12	114193	2	CONDUIT HOLD DOWN

NOTES:

1. Included with wheel motor.
2. Torque to 220–240 ft-lbs.
3. Torque to 17 ft-lbs.

Brake

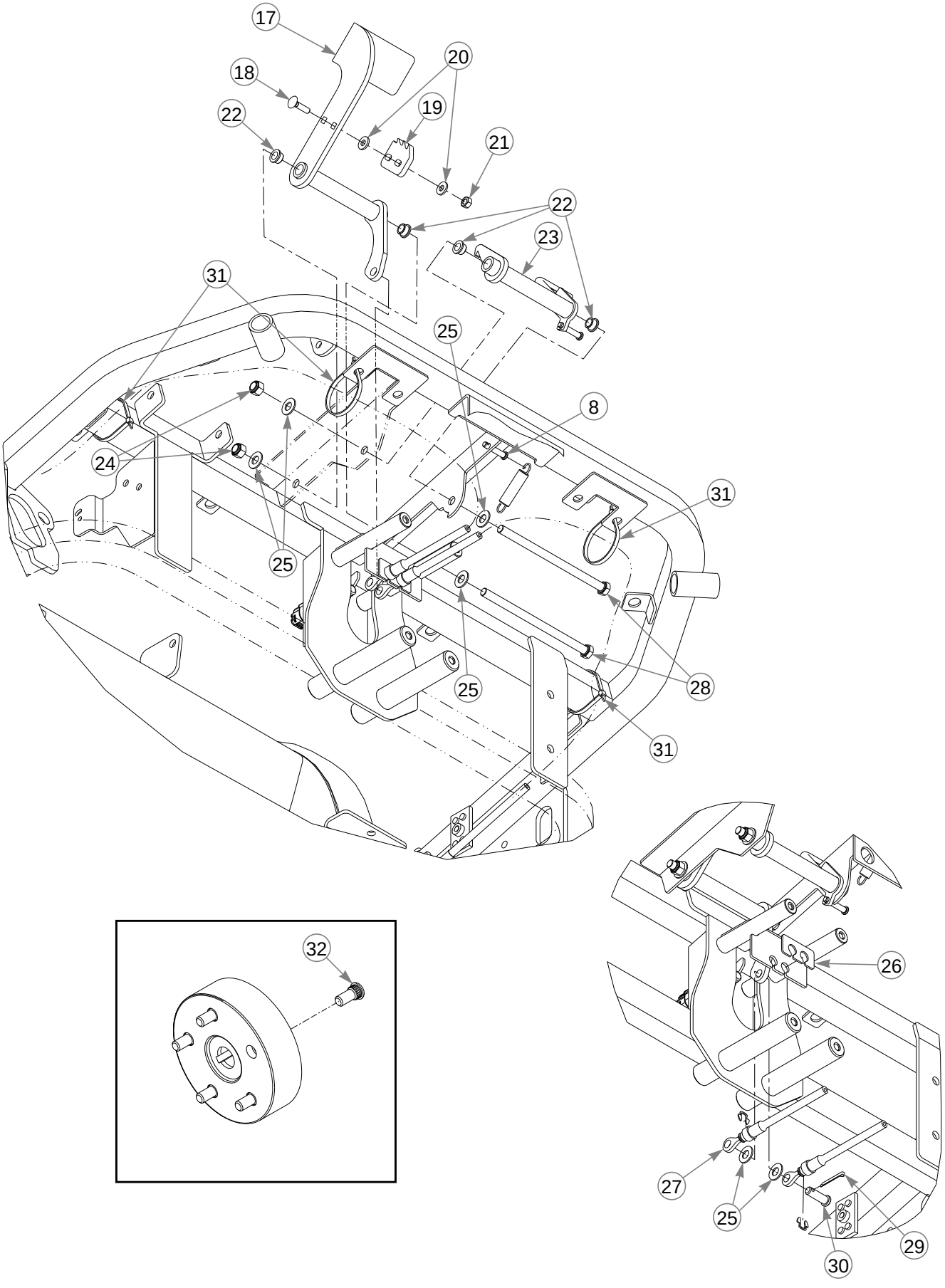


Brake

INDEX NO.	PART NO.	QTY.	DESCRIPTION
13	112853	1	BRAKE STEP TREAD
14	601822	1	NUT PLATE, .420 CENTERS
15	602538	1	SWITCH PLUNGER, NC/NO
16	060731	2	CS 10-24 X .500 HXFLK ZN

NOTES:

Brake



Brake

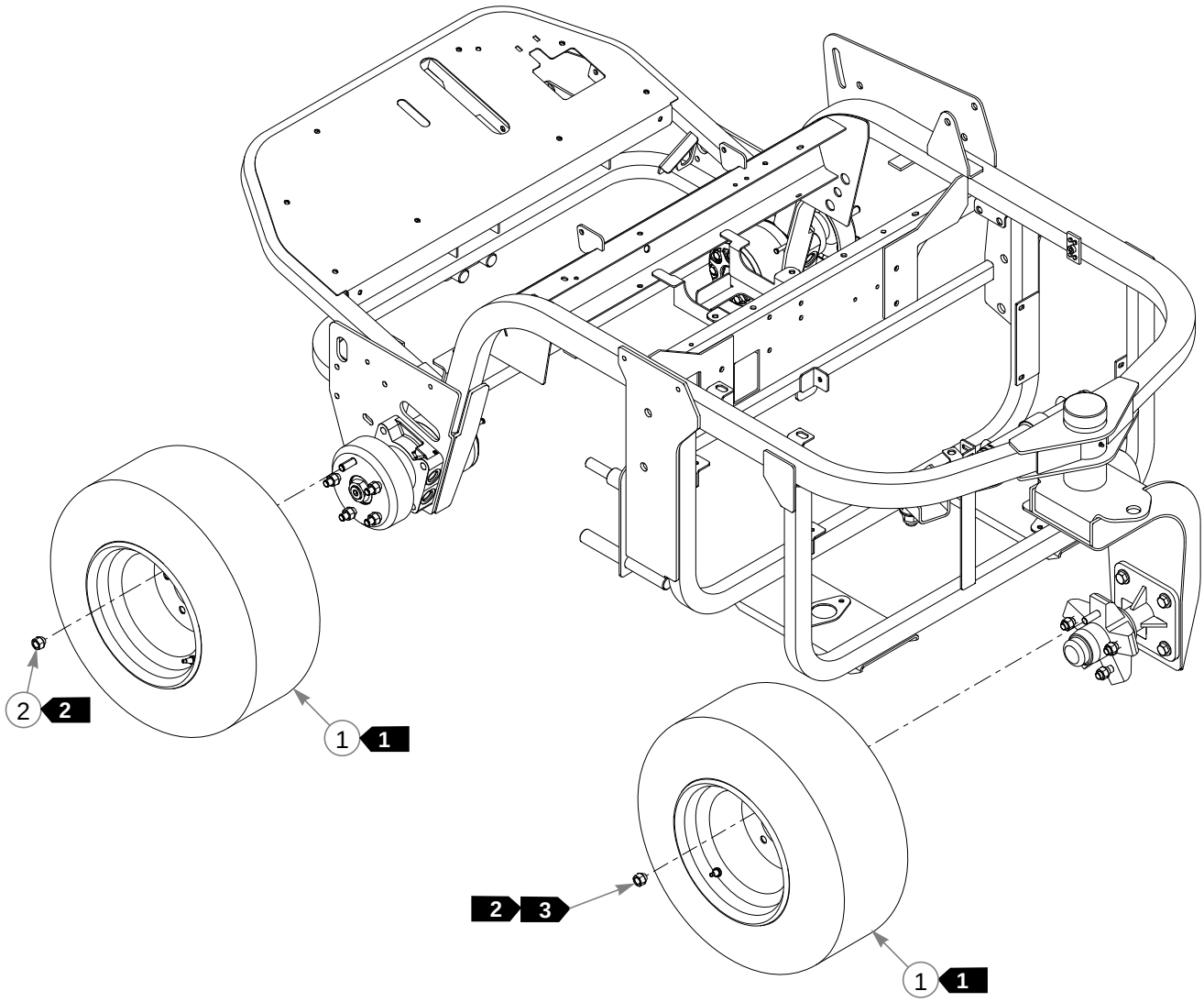
INDEX NO.	PART NO.	QTY.	DESCRIPTION
17	551016	1	BRAKE PEDAL
18	056325	2	CB .250-20 X 1.000 FUL Z
19	112799	1	LATCH PLATE
20	768515	4	FW .281 X .625 X .051/.080H
21	024927	2	NT .250-20 HX GR.5 ZNYC
22	765339	4	BUSHING
23	112794	1	LATCH
24	086660	2	NT .375-16 HXZY NL
25	767954	6	FW .406 X .812 X .060 SAE
26	114033	1	CABLE SPACER
27	603202	2	BRAKE CABLE
28	602695	2	CS .375-16 X 6.50 G5 ZNYC
29	017244	1	CP .125D X 1.000 LG HML Z
30	076745	1	CE .375 X 1.125 .15 X .968
31	000430	4	WIRE TIE, SMALL/LONG
32	601085	1	STUD, WHEEL LUG 1/2-20

NOTES:

Section 4

Wheel & Tire 4-2
Wheel & Tire Breakdown 4-4

Wheel & Tire



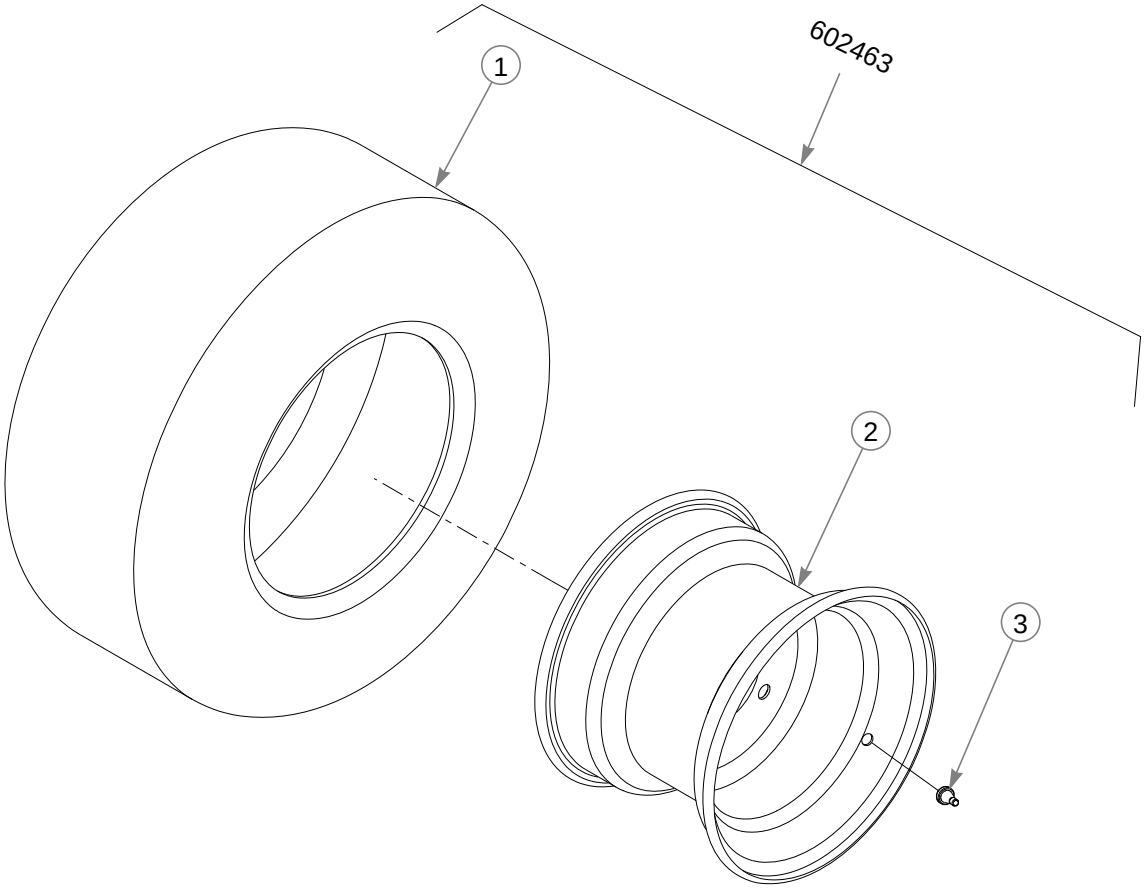
Wheel & Tire

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602463	3	WHEEL & TIRE ASSY 20 X 10-10
2	061077	15	WHEEL NUT

NOTES:

1. Inflate tire to 8–12 psi.
2. Torque to 65–75 ft-lbs.
3. Wheel nuts for rear tire (qty. 5) come with p/n 602526 (wheel hub).

Wheel & Tire Breakdown

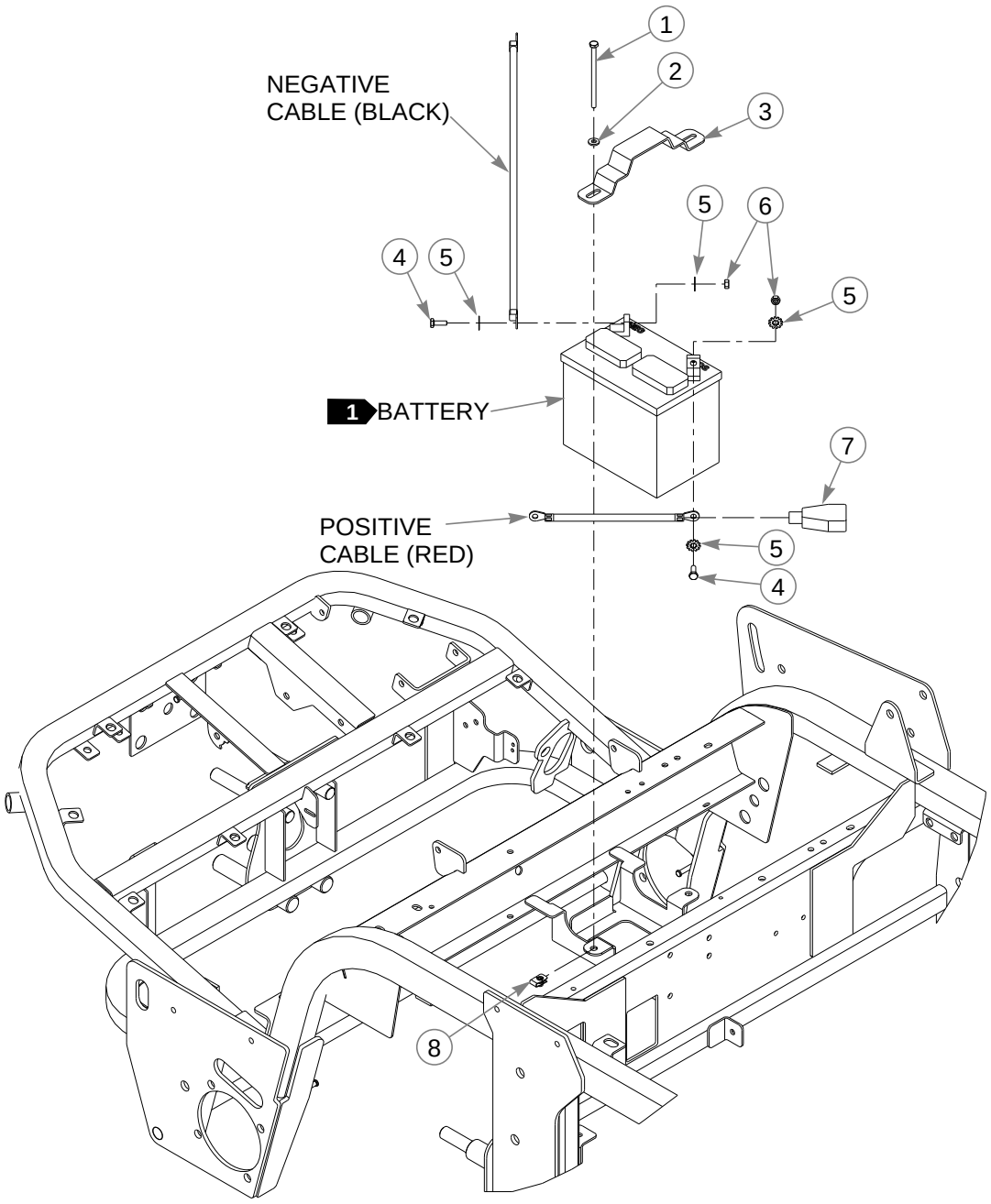


INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602466	1	TIRE, 20 X 10-10
2	602467	1	WHEEL, 10 X 8
3	019521	1	TIRE VALVE

Section 5

Battery 5-2
Instrument Panel 5-4
Glove Box Breakdown 5-8

Battery


1
2
3
NEGATIVE
CABLE (BLACK)
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6
4
5
5
1 BATTERY
7
POSITIVE
CABLE (RED)
5
4
8

Battery

INDEX NO.	PART NO.	QTY	DESCRIPTION
1	769356	2	CS .250-20 X 4.25 HX G5 Z
2	768515	2	FW .281 X .625 X .051/.080H
3	348417	1	BATTERY CLAMP STRAP
4	055939	2	CS .250-20 X .750 HX G5
5	029868	4	LW .250 INT-EXT TOOTH Z
6	024927	2	NT .250-20 HX GR.5 ZNYC
7	771428	1	BATTERY CBL BOOT-RED
8	601982	2	CN .250-20 X .150 MAX THK

NOTES:

1. When performing service on mower, disconnect battery ground cable and do not reconnect to battery until engine is ready to be started. See Operator's Manual.
2. Route battery cables as shown in Fig. 1.

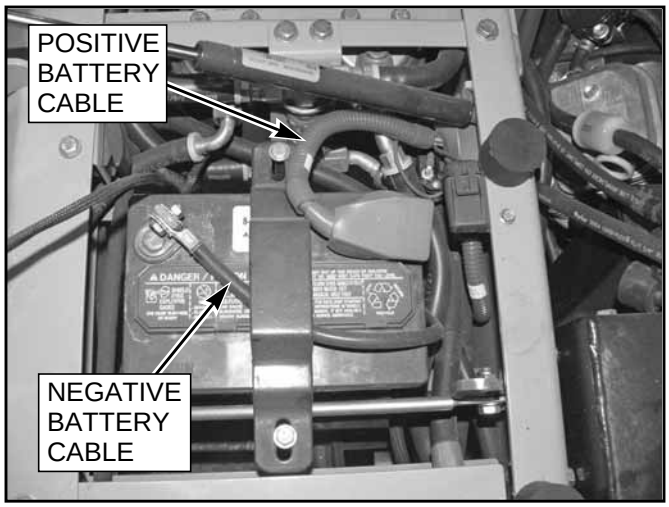
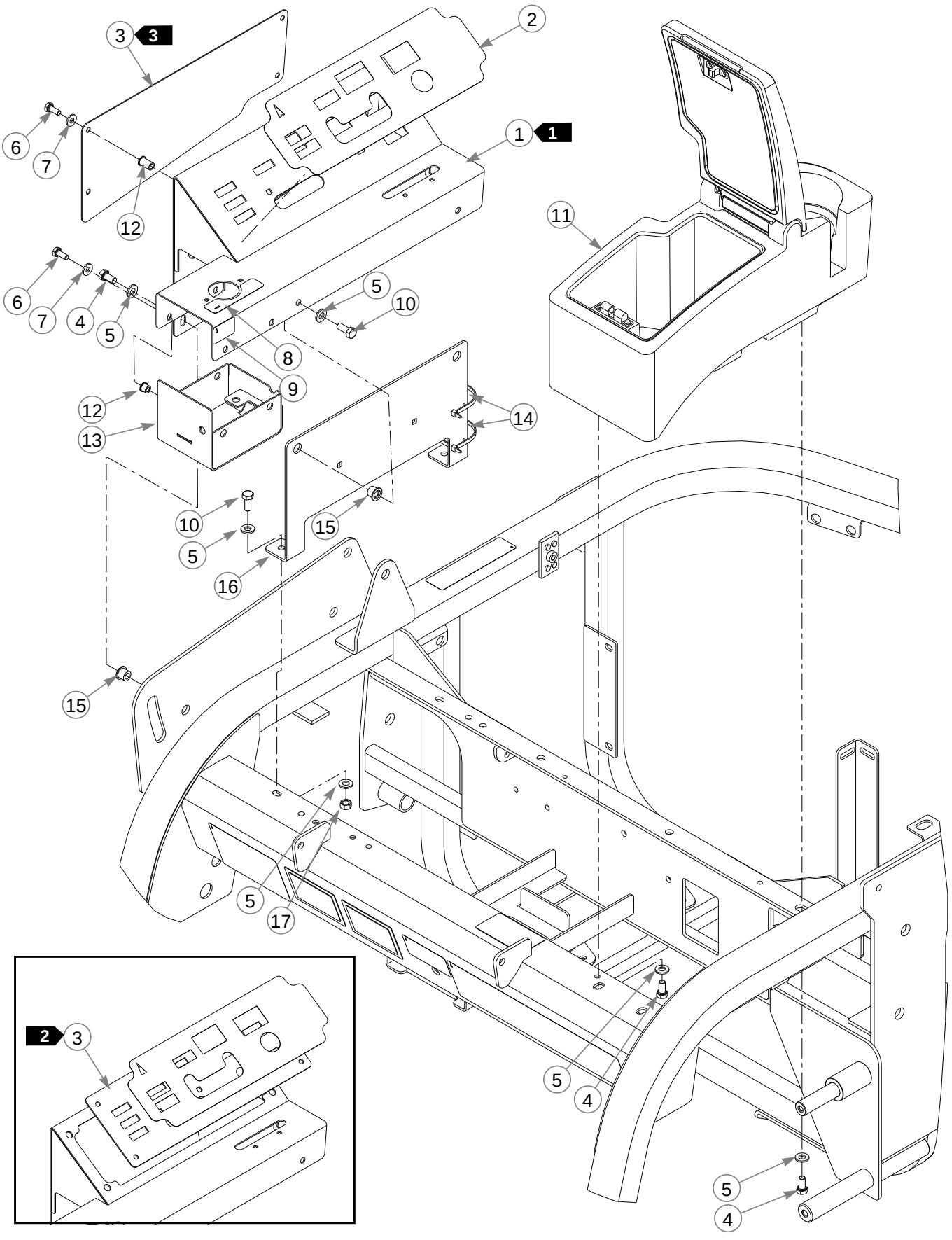


FIG. 1

Instrument Panel



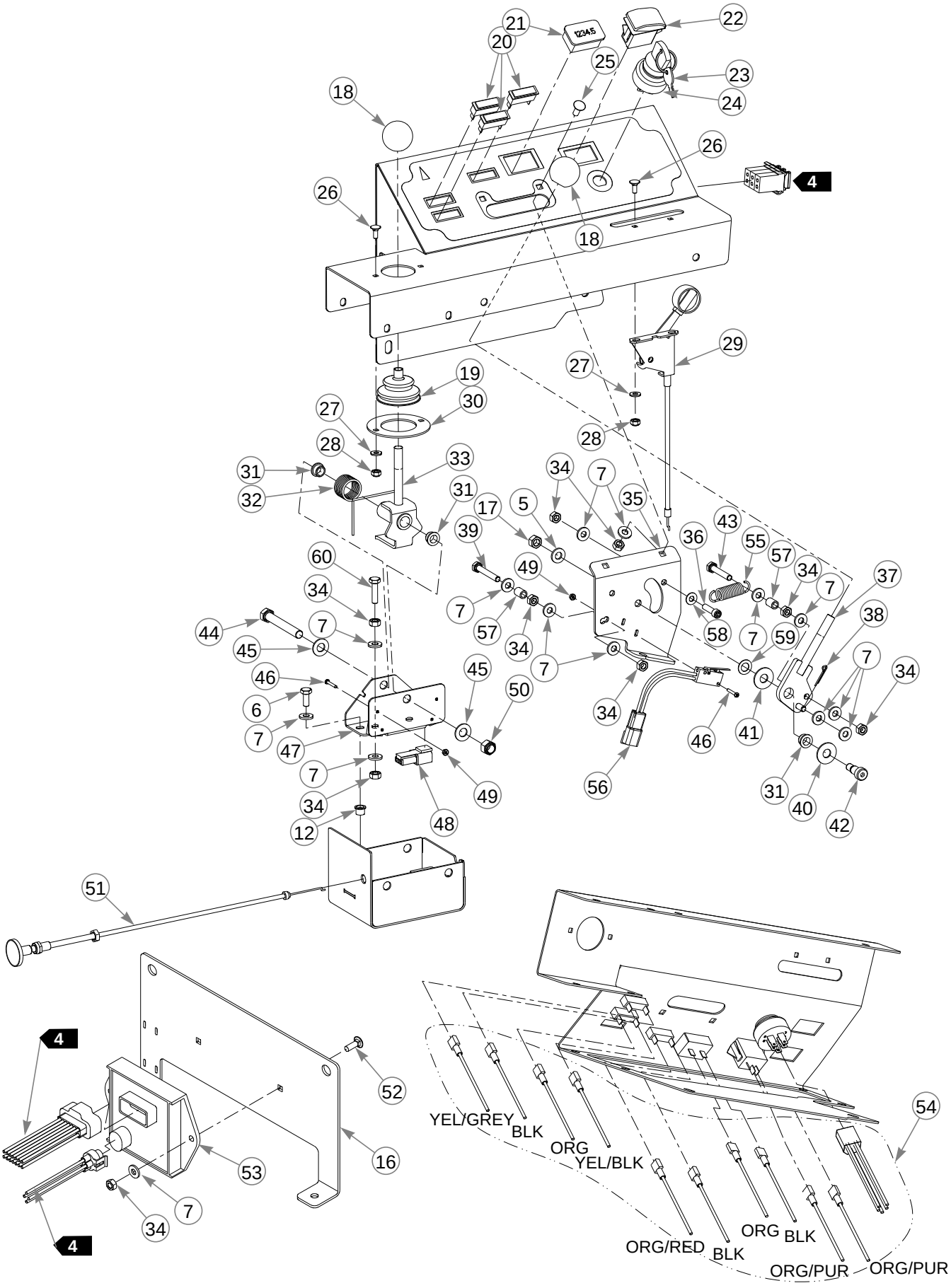
Instrument Panel

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	112661	1	INSTRUMENT PANEL
2	603323	1	INSTRUMENT PANEL DECAL
3	114884	1	INSTRUMENT PANEL PLATE
	114279	1	INSTRUMENT PANEL PLATE
4	064006	5	CS .312-18 X .625 HX G5
5	768523	12	FW .343 X .687 X .051/.080H
6	064329	10	CS .250-20 X .625 HX G5
7	768515	28	FW .281 X .625 X .051/.080H
8	602696	1	LIFT/LOWER DECAL
9	602923	1	CHOKE DECAL
10	034280	4	CS .312-18 X .750 HX G5
11	602844	1	GLOVE BOX
12	808477	10	1/4-20 THREAD NUTSERT
13	112665	1	SWITCH BOX
14	000331	2	WIRE TIE, SMALL/SHORT
15	808485	4	RIVET NUT, 5/16-18 THREAD
16	112670	1	INSTRUMENT PANEL
17	034272	3	NT .312-18 HX G5 ZNYC

NOTES:

1. When ordering the instrument panel, also order (1) 114884 or 114279, (4) 808477, (4) 768515 and (4) 064329.
2. Mowers with serial numbers prior to 11080000 require 114279.
3. Mowers with serial numbers 11080000 and higher require 114884.

Instrument Panel



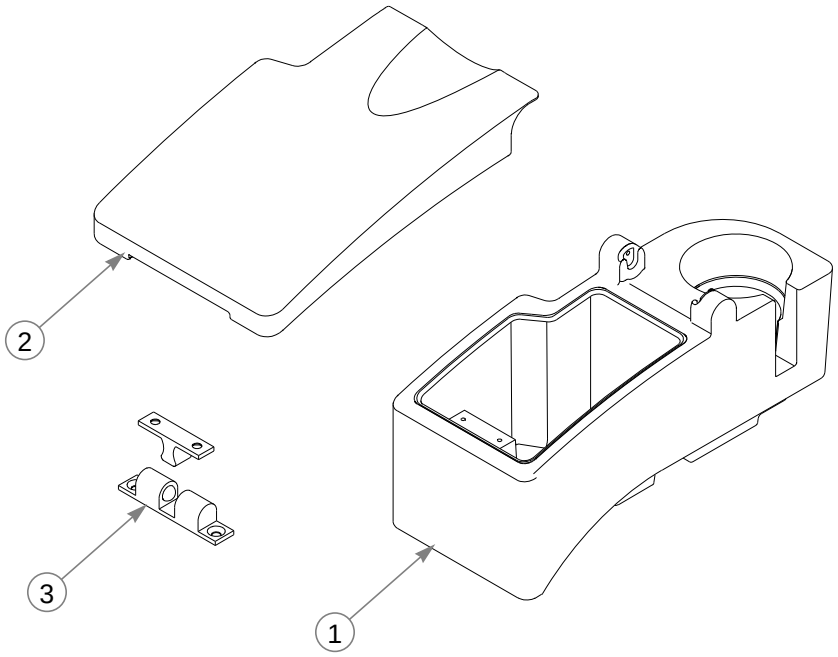
Instrument Panel

INDEX NO.	PART NO.	QTY.	DESCRIPTION
18	043299	2	KNOB
19	602646	1	RUBBER BELLOW
20	712257	3	RED INDICATOR LIGHT
21	769166	1	HOUR METER
22	601116	1	LIGHT SWITCH KIT
23	785808	1	KEY ASSEMBLY
24	045898	1	IGNITION SWITCH
25	601503	2	CB .250-20 X .625 ZNYC
26	601098	4	CB 10-24 X .500 ZYNC
27	704932	4	FW .219 X .500 X .048 ZNYC
28	059832	4	NT #10-24 HX NL ZN
29	778365	1	THROTTLE CABLE
30	112738	1	RETAINING RING
31	765339	3	BUSHING
32	602654	1	SPRING
33	112701	1	HANDLE
34	024927	14	NT .250-20 HX GR.5 ZNYC
35	114286	1	MOUNT PLATE
36	056119	2	CS .250-20 X 1.000 SH BO
37	114287	1	MOW SPEED LEVER
38	017236	1	CP .093D X .750 LG HML Z
39	705145	1	CS .250-20 X 1.750 HX G5
40	076422	1	FW .406 X 1.000 X .06 ZNYC
41	601507	1	FW .406 X 1.000 X .06 NYLON
42	063297	1	SB .375 X .500 SH .312-1
43	008581	1	CS .250-20 X 1.500 HX G5
44	705731	1	CS .375-16 X 2.750 G5 ZNY
45	767954	2	FW .406 X .812 X .060 SAE
46	602669	6	MS #4-40 X 3/4 PHIL PH
47	112669	1	LIFT LEVER BASE
48	602720	1	LIFT/LOWER WIRE HARNESS
49	602222	6	NT #4-40 HX ZN
50	086660	1	NT .375-16 HXZY NL
51	786657	1	CHOKE CABLE
52	794784	2	CB .250-20 X .75 FUL ZN
53	602409	1	CONTROLLER
54	602410	1	WIRE HARNESS
55	603352	1	SPRING, EXT 2.05" X .56"
56	603328	1	WIRE HARNESS, MOW STOP SWITCH
57	603411	2	NYLON SPACER .255 X .374 X .511
58	017079	2	FW .250 X .560 X .04 SAE Z
59	075408	1	FW .402 X .689 X .032 ZNYC
60	056077	2	CS .250-20 X 1.000 HX G5

NOTES:

4. Part of wiring harness.

Glove Box Breakdown

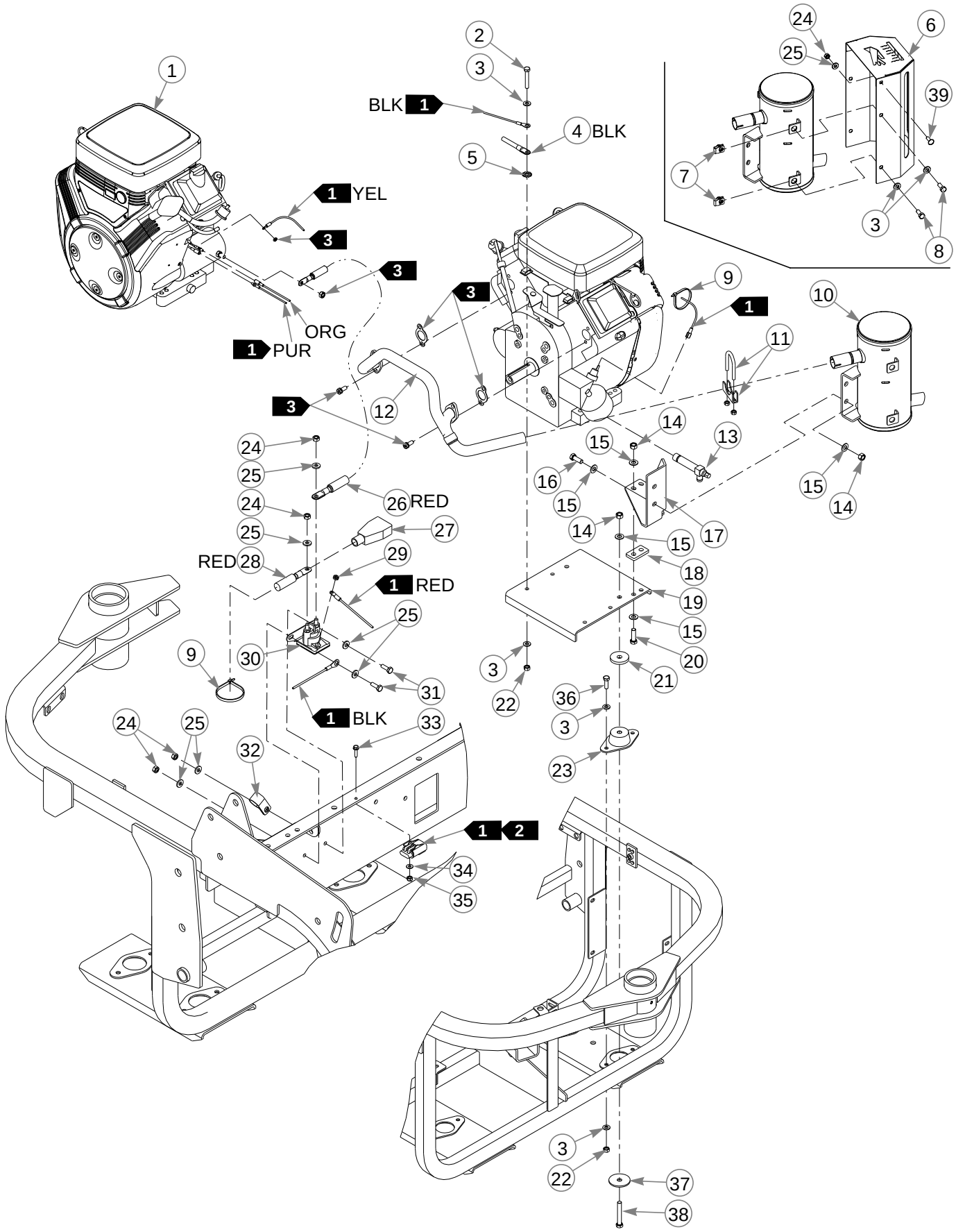


INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602846	1	GLOVE BOX BASE
2	602845	1	GLOVE BOX LID
3	603464	1	GLOVE BOX LATCH W/ MOUNTING HARDWARE

Section 6

Engine & Pump 6-2
Engine Service Parts 6-6
Fuel System 6-8

Engine & Pump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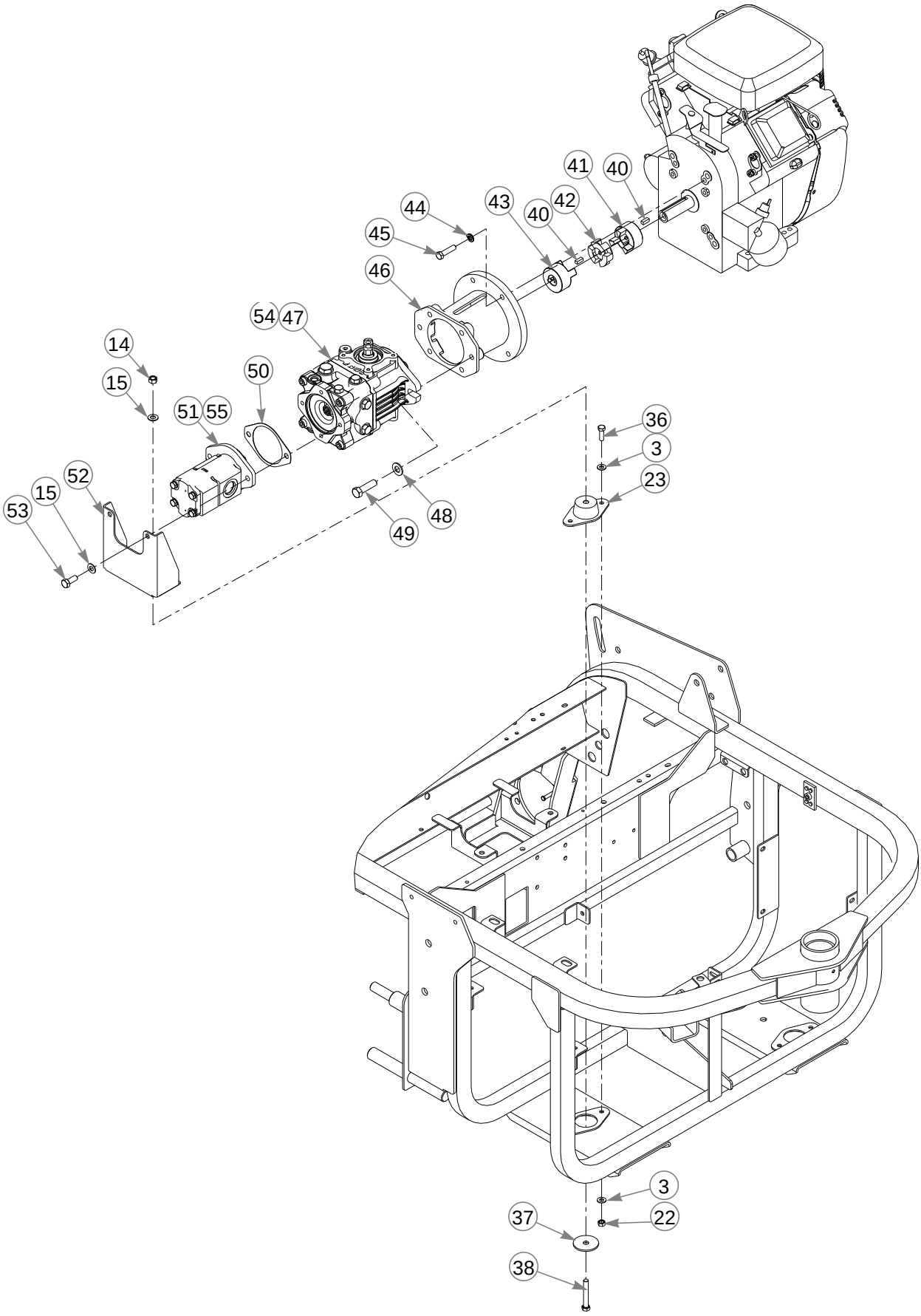
Engine & Pump

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	N/A	1	ENGINE 18HP BRIGGS
2	064345	4	CS .312-18 X 2.000 HX G5
3	768523	24	FW .343 X .687 X .051/.080H
4	786640	1	BATTERY CABLE, NEGATIVE
5	029876	1	LW .312 INT-EXT TOOTH
6	114265	1	SHIELD
7	601069	4	CN .312-18 X .200 MAX THK
8	034280	4	CS .312-18 X .750 HX G5
9	000331	2	WIRE TIE, SMALL/SHORT
10	603365	1	MUFFLER
11	794180	1	CLAMP, 1.125"
12	602464	1	MANIFOLD
13	796672	1	OIL DRAIN VALVE, 3/8-18
14	054502	7	NT .375-16 HX GRD 5 ZNY
15	767954	13	FW .406 X .812 X .060 SAE
16	036244	2	CS .375-16 X 1.000 HX G5
17	113438	1	MUFFLER MNT W/A
18	113627	1	MUFFLER MOUNT SPACER
19	111929	1	ENGINE PLATE
20	052860	2	CS .375-16 X 1.25 HX G5 ZN
21	783829	2	FW .460 X 1.750 X .250 ZN
22	034272	10	NT .312-18 HX G5 ZNYC
23	602733	3	ISOLATION MOUNT
24	024927	6	NT .250-20 HX GR.5 ZNYC
25	768515	8	FW .281 X .625 X .051/.080H
26	785063	1	BATTERY CABLE, POSITIVE
27	771428	1	RED BATTERY CABLE BOOT
28	792762	1	BATTERY CABLE, POSITIVE
29	044255	1	NT #10-32 HX ZN
30	030817	1	STARTER SOLENOID
31	055939	2	CS .250-20 X .750 HX G5
32	043570	1	HOSE CLIP
33	063198	1	CS 10-24 X .750 HXFLK ZN
34	704932	1	FW .219 X .500 X .048 ZNYC
35	059832	1	NT #10-24 HX NL ZN
36	036236	6	CS .312-18 X 1.000 HX G5
37	603149	3	SNUB WASHER
38	016428	3	CS .375-16 X 2.50 HX GR5
39	794784	2	CB .250-20 X .75 FUL ZN

NOTES:

1. Part of wire harness.
2. Contains a 20A fuse.
3. Part of engine.

Engine & Pump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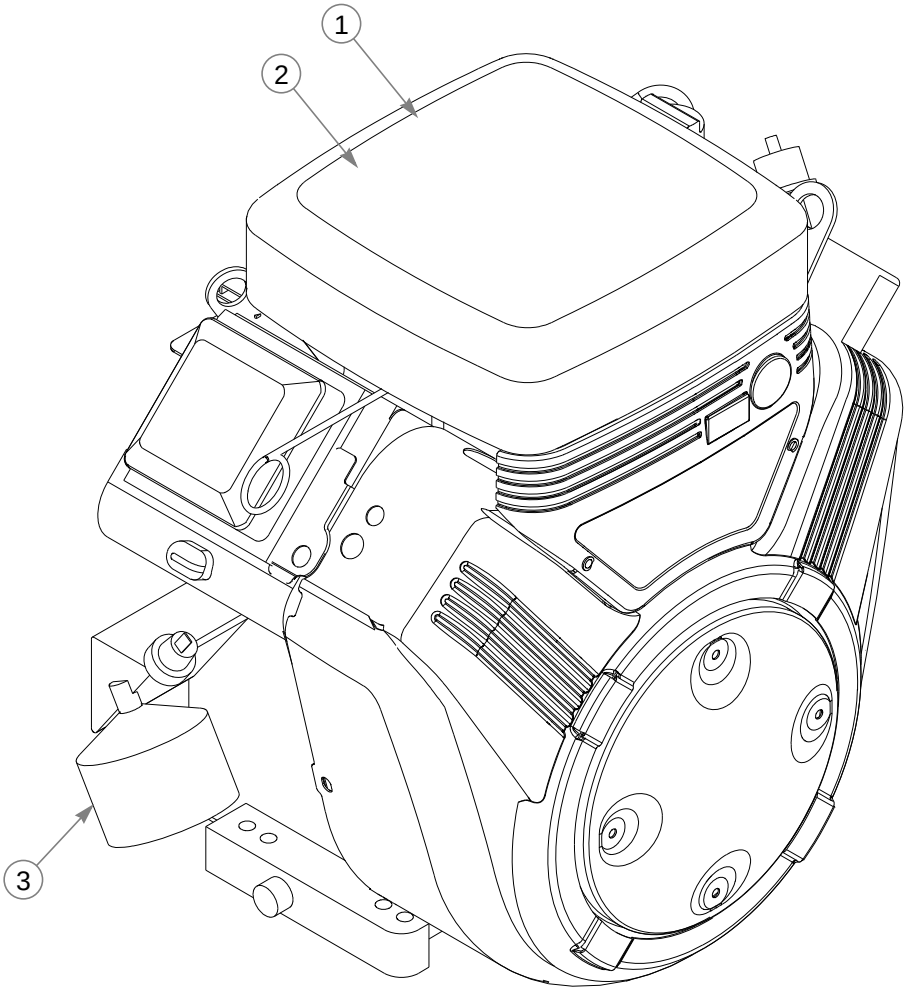
Engine & Pump

INDEX NO.	PART NO.	QTY.	DESCRIPTION
40	712372	2	KEY 1/4 SQ X 0.66 LG
41	602544	1	COUPLER HALF 1"
42	602546	1	COUPLER FLEX JOINT
43	602545	1	COUPLER HALF .875"
44	017012	4	LW .375 MED SPRING ZNYC
45	080655	4	CS .375-16 X 1.500 HX G5
46	602441	1	ENGINE/PUMP ADAPTER
47	602259	1	PUMP
48	767962	2	FW .531 X 1.063 X .090 SAE
49	017616	2	CS .500-13 X 1.750 HX G5
50	603054	1	GASKET
51	602423	1	TANDEM GEAR PUMP
52	113383	1	PUMP SUPPORT
53	038836	2	CS M10-1.50 X 25 HX ZN
54	603362	1	SEAL KIT–PUMP
55	603405	1	SEAL KIT–TANDEM GEAR PUMP

NOTES:

Engine Service Parts



INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	603194	1	AIR CLEANER ELEMENT
2	603195	1	SAFETY FILTER ELEMENT
3	603196	1	ENGINE OIL FILTER

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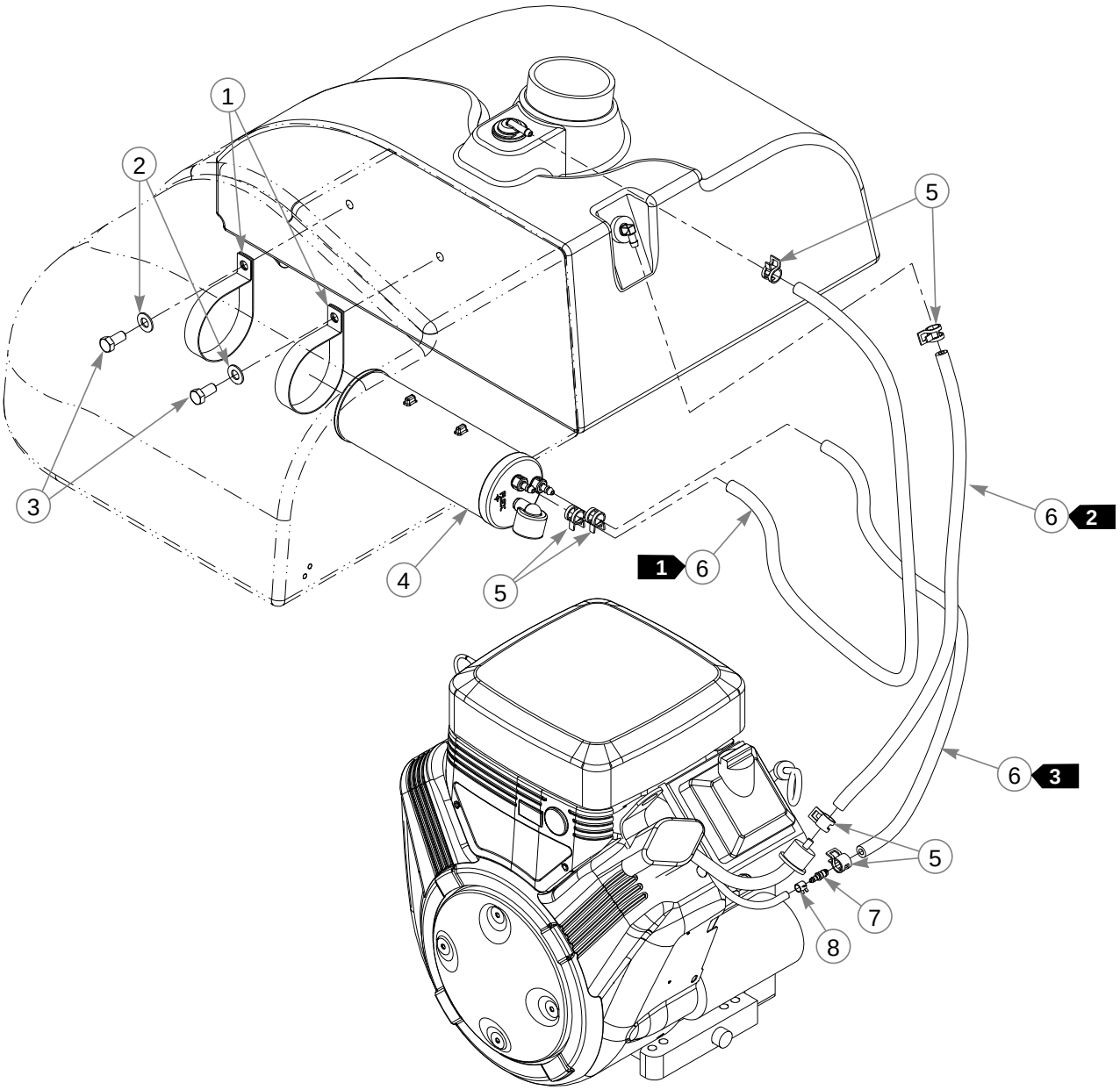
Fuel System



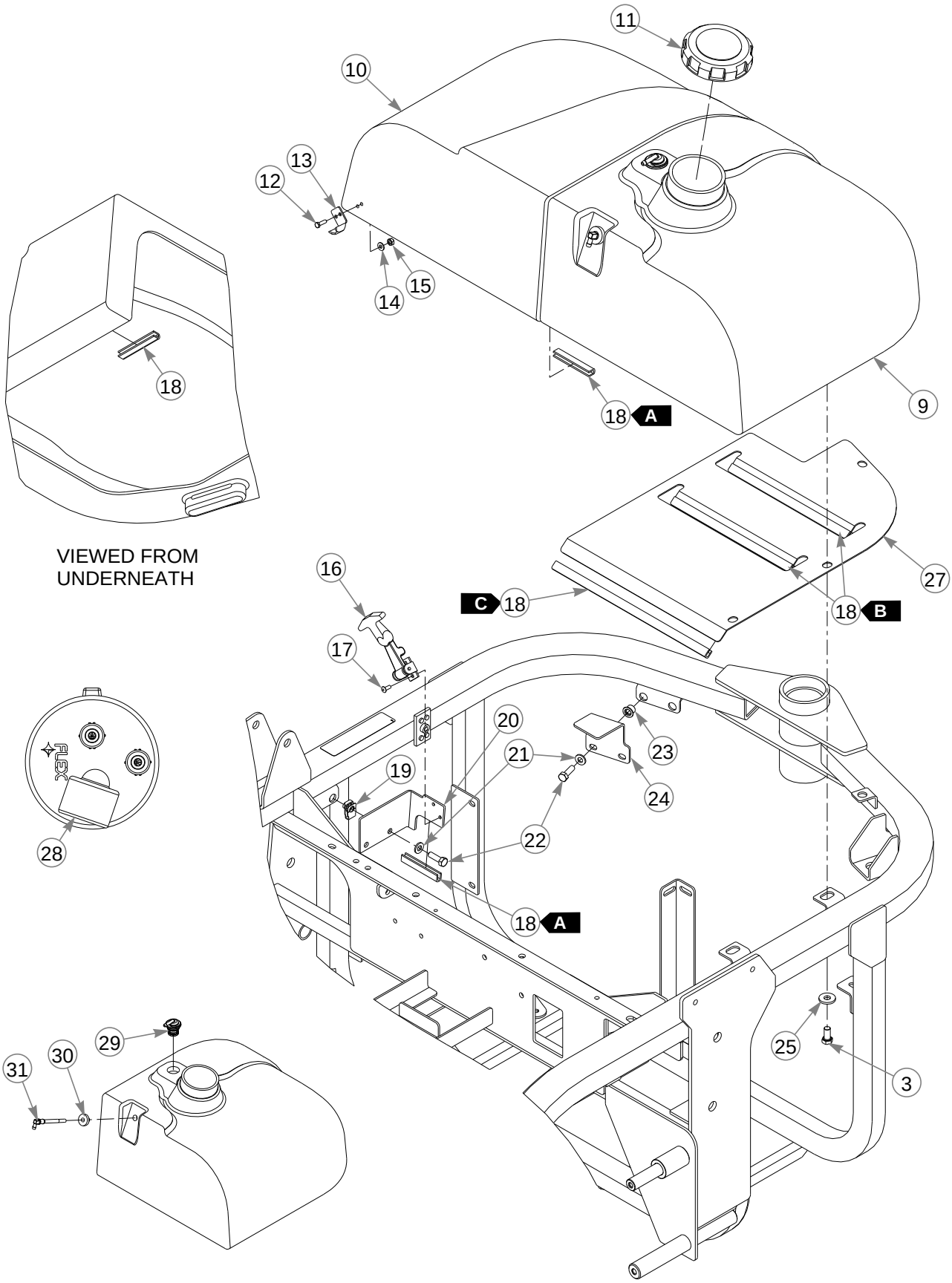
Fuel System

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602980	2	3.0" CUSHIONED CLAMP
2	767954	2	FW .406 X .812 X .060 SAE
3	055822	5	CS .375-16 X .750 HX G5
4	602982	1	CARBON CANISTER, 9 GAL.
5	000323	6	HOSE CLAMP
6	015818	69"	1/4" FUEL LINE
7	603221	1	FTG, -4BARB / -6BARB STR
8	603224	1	SPRING CLAMP

NOTES:

FUEL & VAPOR LINE LENGTHS		
1	28"	TANK TO CANISTER (VAPOR)
2	20"	TANK TO FUEL FILTER (FUEL)
3	21"	CANISTER TO ENGINE (VAPOR)

Fuel System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Fuel System

INDEX NO.	PART NO.	QTY.	DESCRIPTION
9	602702	1	FUEL TANK
10	602703	1	REAR COVER
11	602916	1	RATCHETING GAS CAP, 3.5"
12	714998	2	MS #10-24 X .625 HX ZN
13	773523	1	KEEPER, FLEXDRAW #37-25
14	704932	2	FW .219 X .500 X .048 ZNYC
15	059832	2	NT #10-24 HX NL ZN
16	773416	1	FLEX DRAW LATCH
17	601089	2	RIVET .188 DIA BLK HD
18	033001	3.25’	TRIM
19	601069	2	CN .312-18 X .200 MAX THK
20	113273	1	COVER LATCH PLATE
21	768523	4	FW .343 X .687 X .051/.080H
22	036236	4	CS .312-18 X 1.000 HX G5
23	808485	2	RIVET NUT, 5/16-18 THREAD
24	113275	1	REAR COVER MOUNT
25	712919	3	FW .406 X 1.00 X.12 HRD Z
26	000331	1	WIRE TIE, SMALL/SHORT
27	115684	1	FUEL TANK SUPPORT
28	603161	1	VACUUM BREAKER FILTER
29	603158	1	ROLLOVER VALVE & GROMMET
30	785295	1	SUCTION HOSE GROMMET
31	601527	1	SUCTION HOSE 19.5

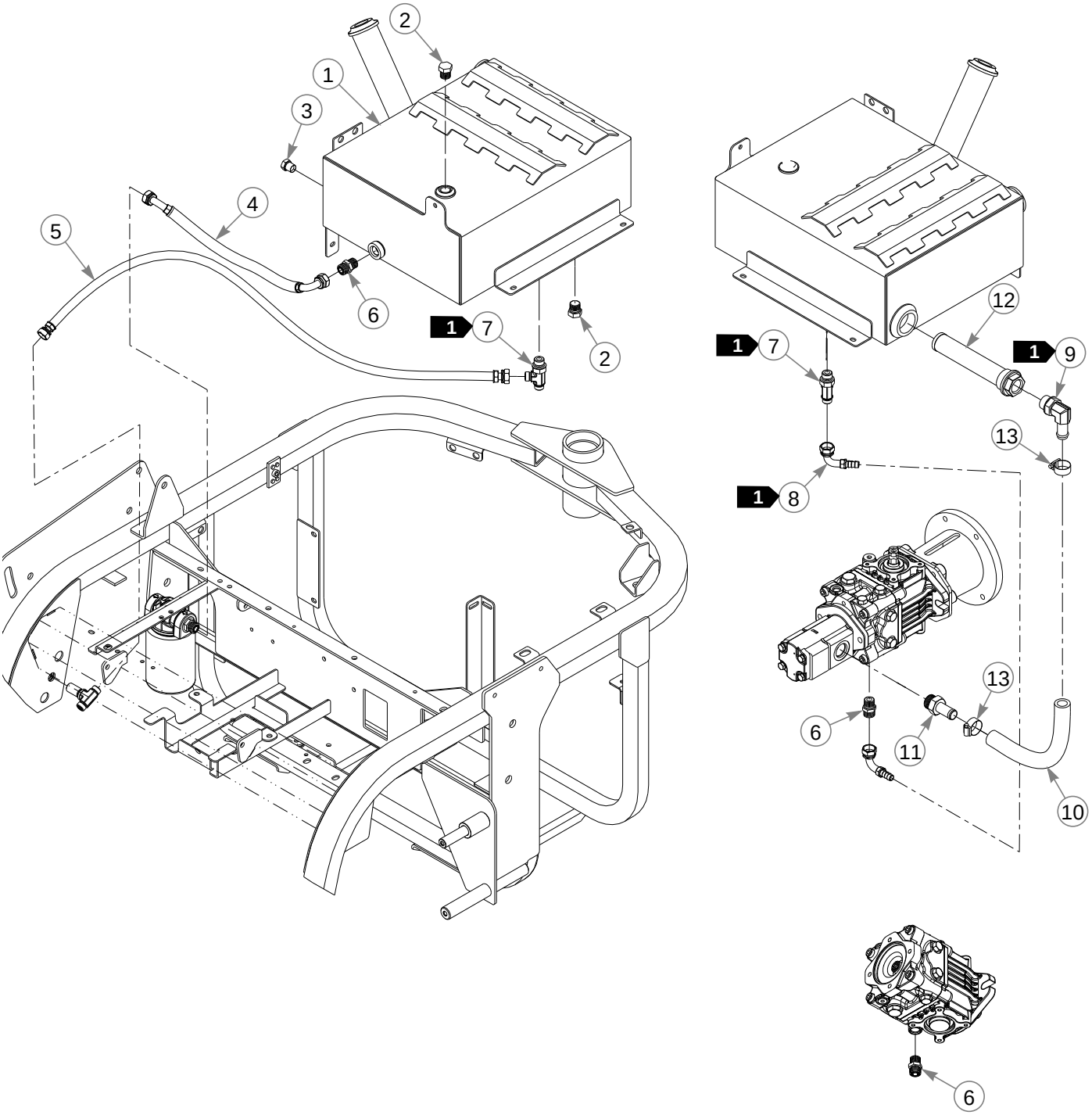
NOTES:

CUT TRIM LENGTHS		
A	3"	TWO (2) PIECES
B	10"	TWO (2) PIECES
C	13"	ONE (1) PIECE

Section 7

Hydraulic Reservoir 7-2
Hydraulic—Oil Cooler 7-6
Hydraulic—Oil Cooler Hoses 7-8
Hydraulic Valve Block 7-10
Traction Drive 7-16
Hydraulic—Steering 7-20
Hydraulic Reel Drive 7-22
Hydraulic Reel Lift 7-24

Hydraulic Reservoir



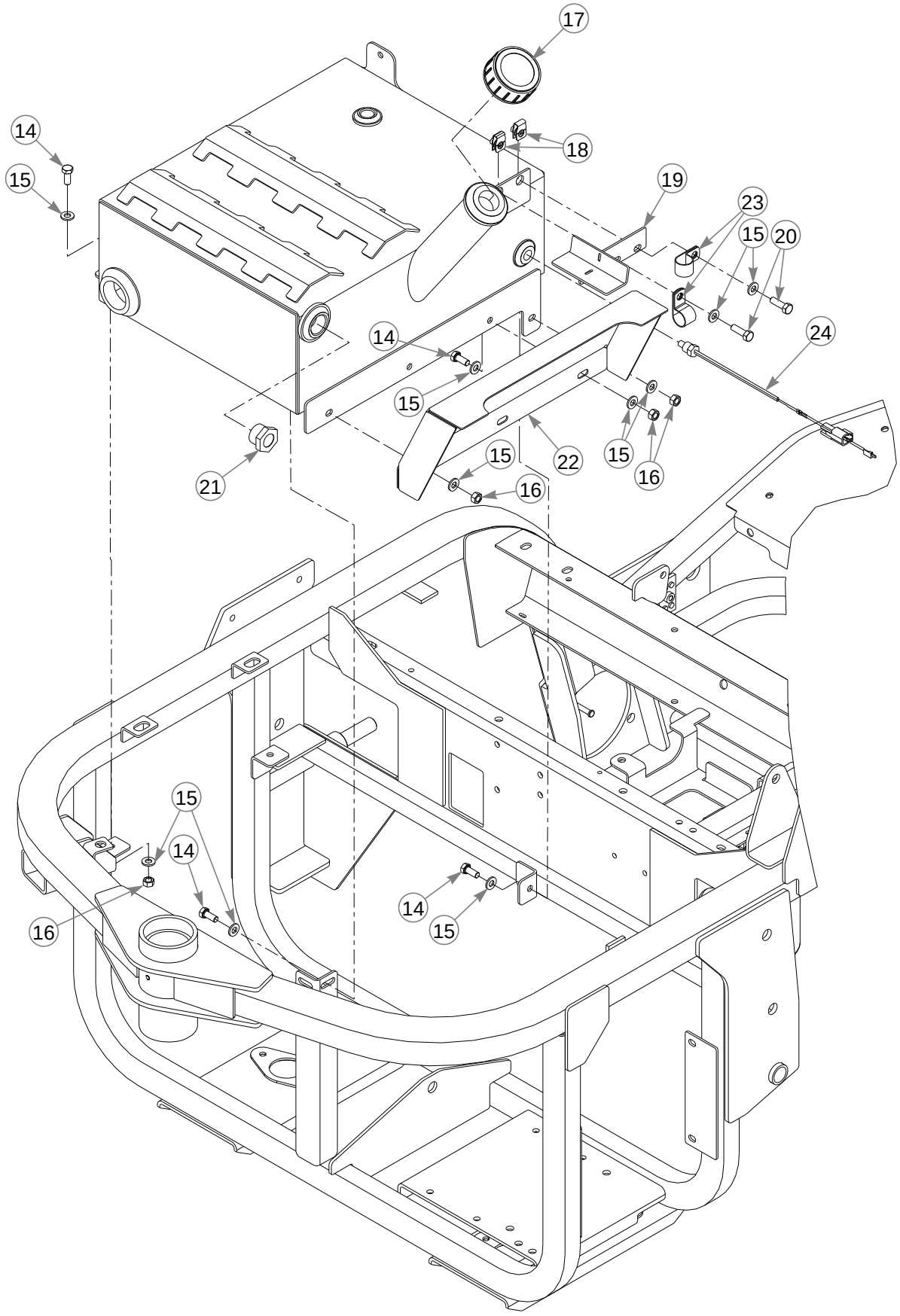
Hydraulic Reservoir

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	112383	1	HYDRAULIC RESERVOIR
2	781658	2	FTG, -8 MORB/HEX PLUG
3	603359	1	FTG, 3/8 NPT X 1/4 NPT STR
4	602618	1	HOSE ASSY, FILTER-RES
5	602616	1	HOSE ASSY, REEL CASE
6	781534	2	FTG, STR-8 MORB/-8MS
7	602573	1	FTG, TEE 8 MORB/6MSL
8	602638	1	HOSE ASSY, HST CASE
9	602756	1	FTG, 12 MORB/12BT 90
10	602649	1	HOSE, SUCTION RES-GEAR
11	783985	1	FTG, STR ORB-BEADED
12	602648	1	STRAINER, IN TANK - 3/4"
13	700484	2	HOSE CLAMP

NOTES:

1. Orient as shown.

Hydraulic Reservoir

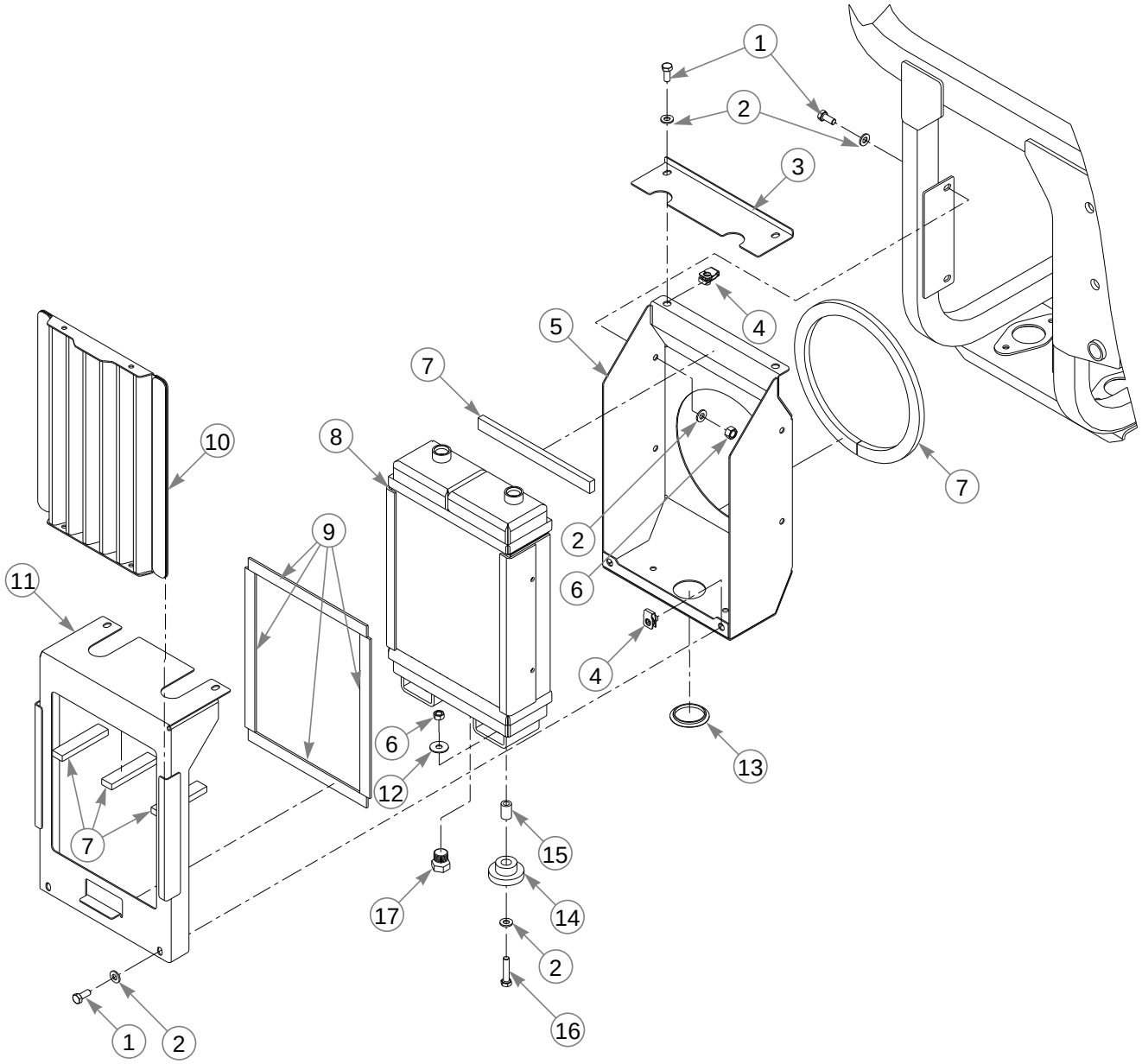


Hydraulic Reservoir

INDEX NO.	PART NO.	QTY.	DESCRIPTION
14	034280	6	CS .312-18 X .750 HX G5
15	768523	14	FW .343 X .687 X .051/.080H
16	034272	6	NT .312-18 HX G5 ZNYC
17	602929	1	BREATHER CAP 1IN NPT
18	601069	2	CN .312-18 X .200 MAX THK
19	114199	1	TANK ADJUSTER
20	036236	2	CS .312-18 X 1.000 HX G5
21	603322	1	SIGHT GLASS
22	114252	1	HEAT SHIELD
23	043570	2	LOOP CLAMP
24	114428	1	TEMPERATURE SWITCH ASSY

NOTES:

Hydraulic—Oil Cooler

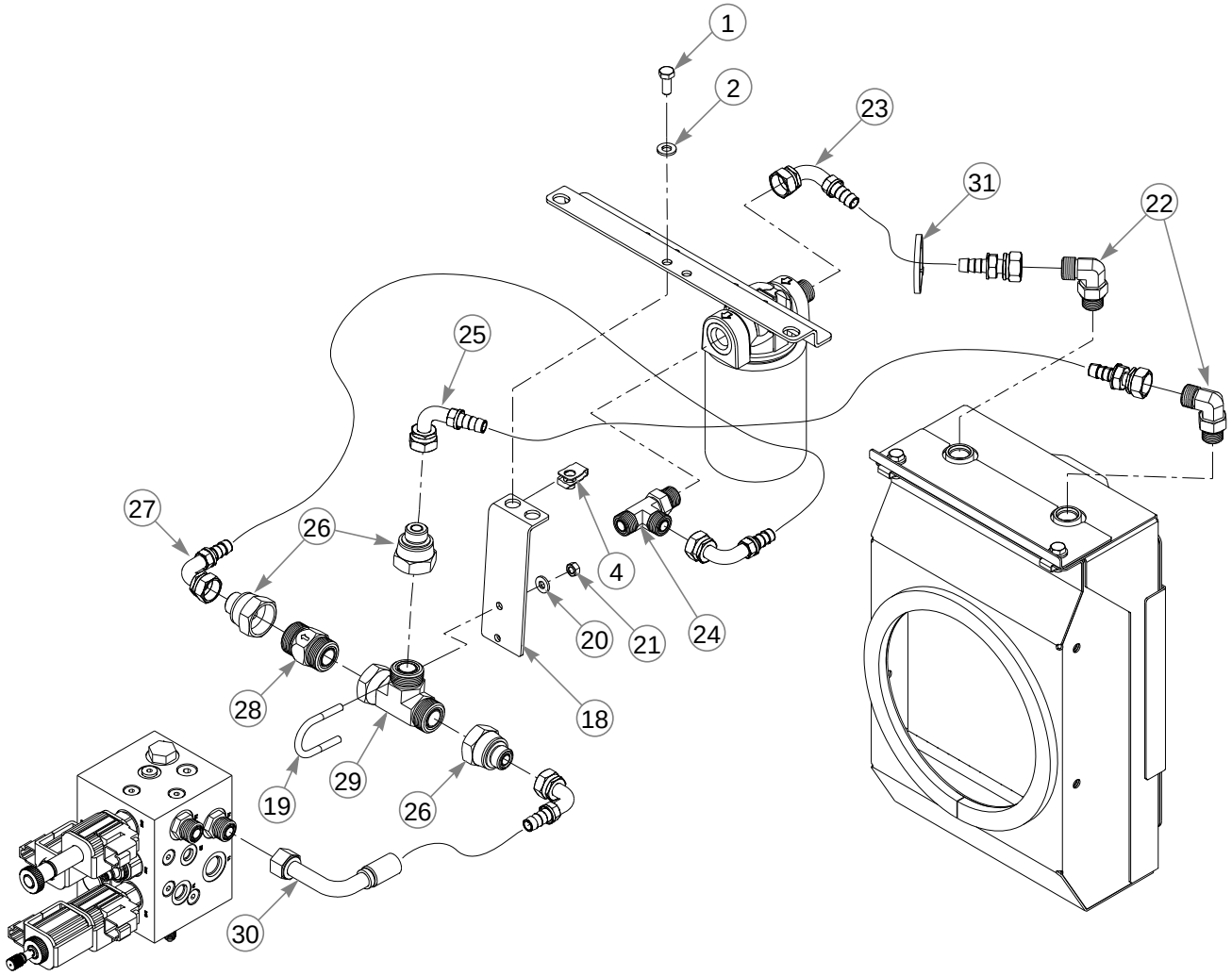


Hydraulic—Oil Cooler

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	034280	10	CS .312-18 X .750 HX G5
2	768523	16	FW .343 X .687 X .051/.080H
3	112181	1	SUPPORT ANGLE
4	601069	6	CN .312-18 X .200 MAX THK
5	112174	1	OIL COOLER SHROUD
6	034272	6	NT .312-18 HX G5 ZNYC
7	713198	4'	SEAL 3/8 X 3/4
8	602564	1	OIL COOLER
9	033035	3.25'	WEATHERSTRIP .12 X .75
10	113561	1	OIL COOLER SCREEN
11	113557	1	FRONT PANEL OIL COOLER
12	079210	2	FW .344 X 1.00 X .06 ZNYC
13	602620	1	GROMMET
14	602619	2	BUSHING
15	112618	2	SPACER TUBE
16	052837	2	CS .312-18 X 1.500 HX G5
17	781658	1	FTG, -8 MORB/HEX PLUG

NOTES:

Hydraulic—Oil Cooler Hoses

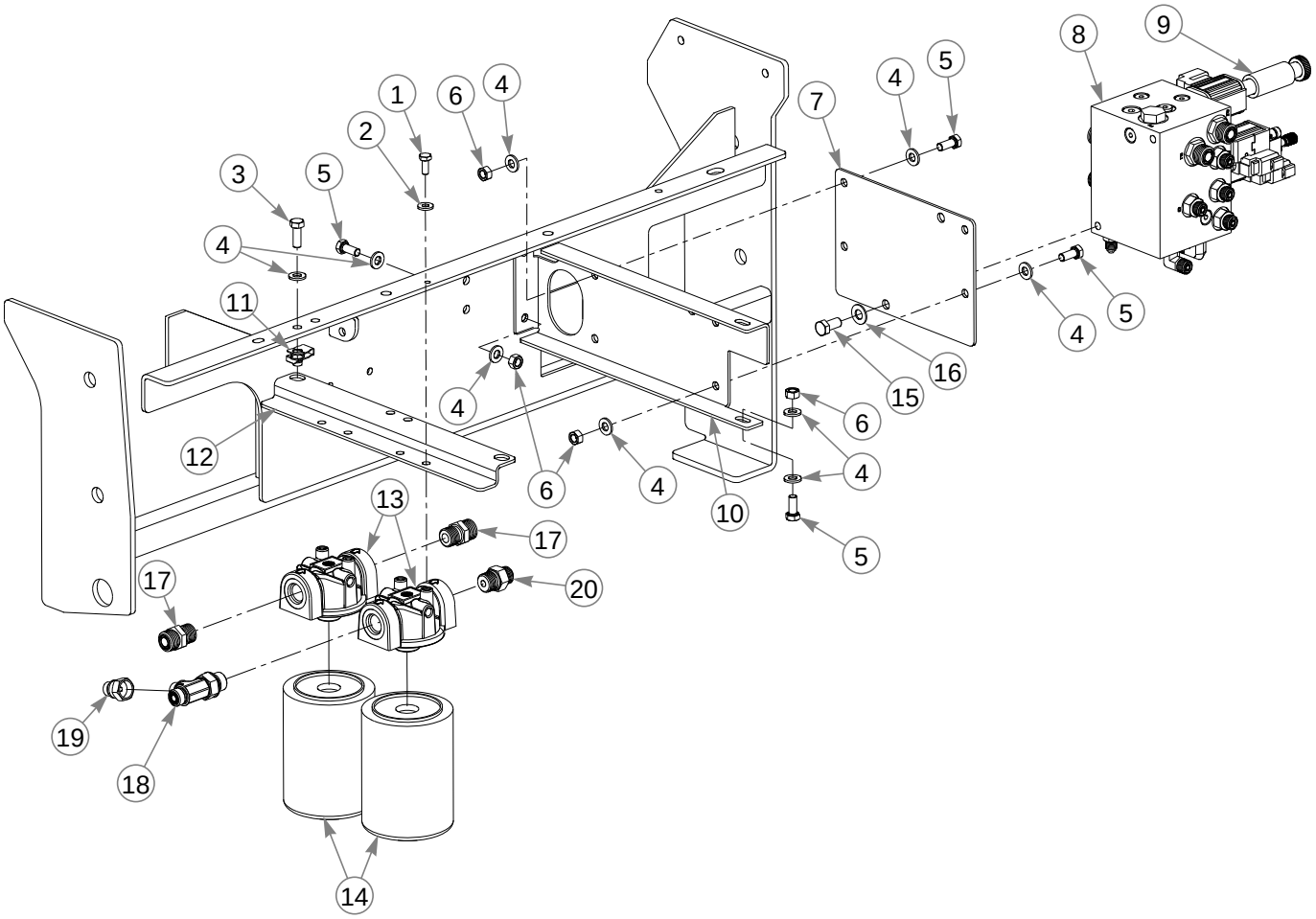


Hydraulic—Oil Cooler Hoses

INDEX NO.	PART NO.	QTY.	DESCRIPTION
18	114404	1	BYPASS MOUNT PLATE
19	601429	1	UBOLT .250-20 X 1.125 DIA
20	768515	2	FW .281 X .625 X .051/.080H
21	024927	2	NT .250-20 HX GR.5 ZNYC
22	781542	2	FTG, 90°-8MORB/-8MORFS
23	603345	1	HOSE ASSY, COOLER - FILTER
24	603348	1	FTG, -8MORB/8MSL RUN TEE
25	603344	1	HOSE ASSY, TEE - COOLER
26	603342	3	FTG, -12FSL/-8MSL STR
27	603346	1	HOSE ASSY, BYPASS - TANK
28	603347	1	FTG, -12MSL CHECK
29	603341	1	FTG, 12MSL SWVL RUN TEE
30	603351	1	HOSE ASSY, BLOCK - TEE
31	000331	1	WIRE TIE, SMALL/SHORT

NOTES:

Hydraulic Valve Block

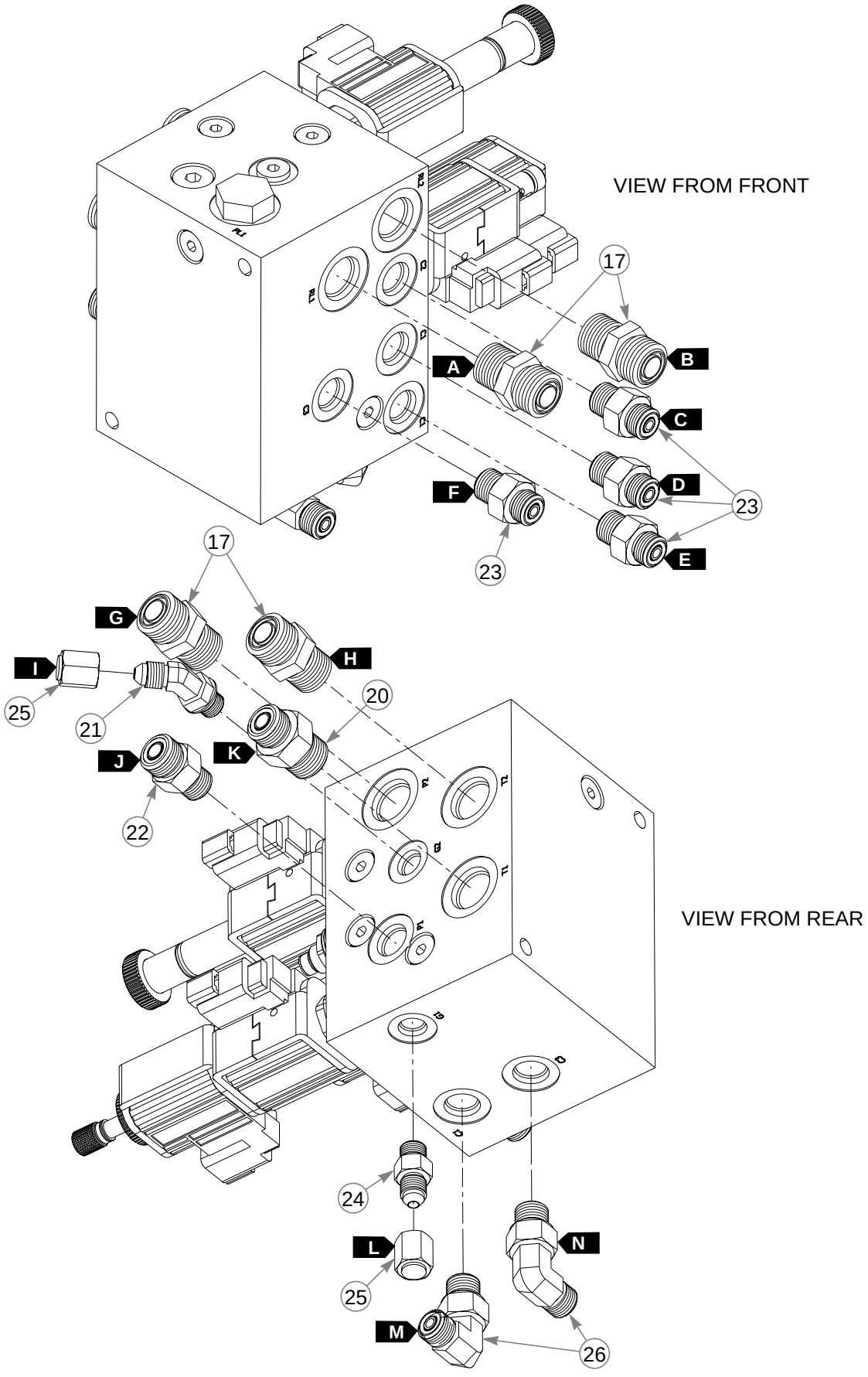


Hydraulic Valve Block

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	064329	4	CS .250-20 X .625 HX G5
2	768515	4	FW .281 X .625 X .051/.080H
3	064014	2	CS .312-18 X .875 HX G5 ZN
4	768523	20	FW .343 X .687 X .051/.080H
5	034280	10	CS .312-18 X .750 HX G5
6	034272	8	NT .312-18 HX G5 ZNYC
7	112460	1	SUPPORT PLATE, VALVE
8	602452	1	VALVE MANIFOLD BLOCK
9	602835	1	SPACER
10	112455	1	CHANNEL, VALVE
11	601069	2	CN .312-18 X .200 MAX THK
12	112088	1	BRACKET, FILTER MOUNT
13	602567	2	FILTER HEAD, 50PSI
14	602568	2	FILTER ELEMENT, 10 MICRON
15	055822	2	CS .375-16 X .750 HX G5
16	767954	2	FW .406 X .812 X .060 SAE

NOTES:

Manifold Block



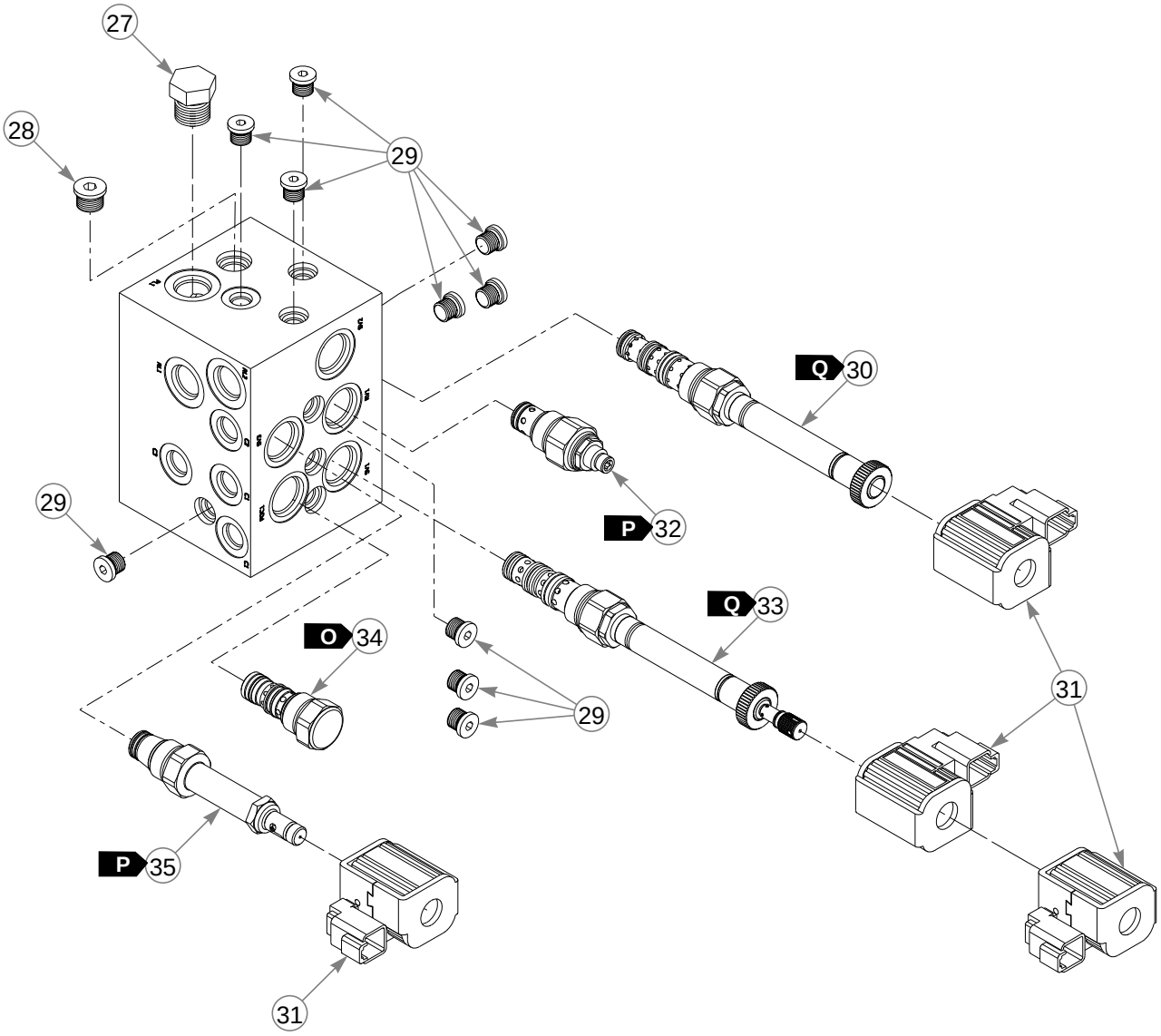
Manifold Block

INDEX NO.	PART NO.	QTY.	DESCRIPTION
17	781534	6	FTG, STR-8 MORB/-8MS
18	602573	1	FTG, TEE 8 MORB/6MSL
19	602563	1	FTG, 6-4 MSL REDUCER
20	006072	2	FTG, 8 MORB/6MSL STR
21	602478	1	FITTING, 4MORB/4MJIC 45
22	792150	1	FTG, STR-6MORB/-6MS
23	602760	4	FTG, 6MORB/4MSL STR
24	603181	1	FTG, -4MORB/4MJIC STR
25	602479	2	FTG, 4FJIC CAP
26	602582	2	FTG, 6MORB/4MSL 90

NOTES:

HOSE LOCATIONS	
A	TO PORT RL1
B	TO PORT RL2
C	TO PORT C2
D	TO UPPER PORT C1
E	TO LOWER PORT C1
F	TO PORT C3
G	TO PORT P2
H	TO PORT T2
I	TO PORT G2
J	TO PORT P1
K	TO PORT T1
L	TO PORT G1
M	TO PORT C1
N	TO PORT C3

Manifold Block—Cont.



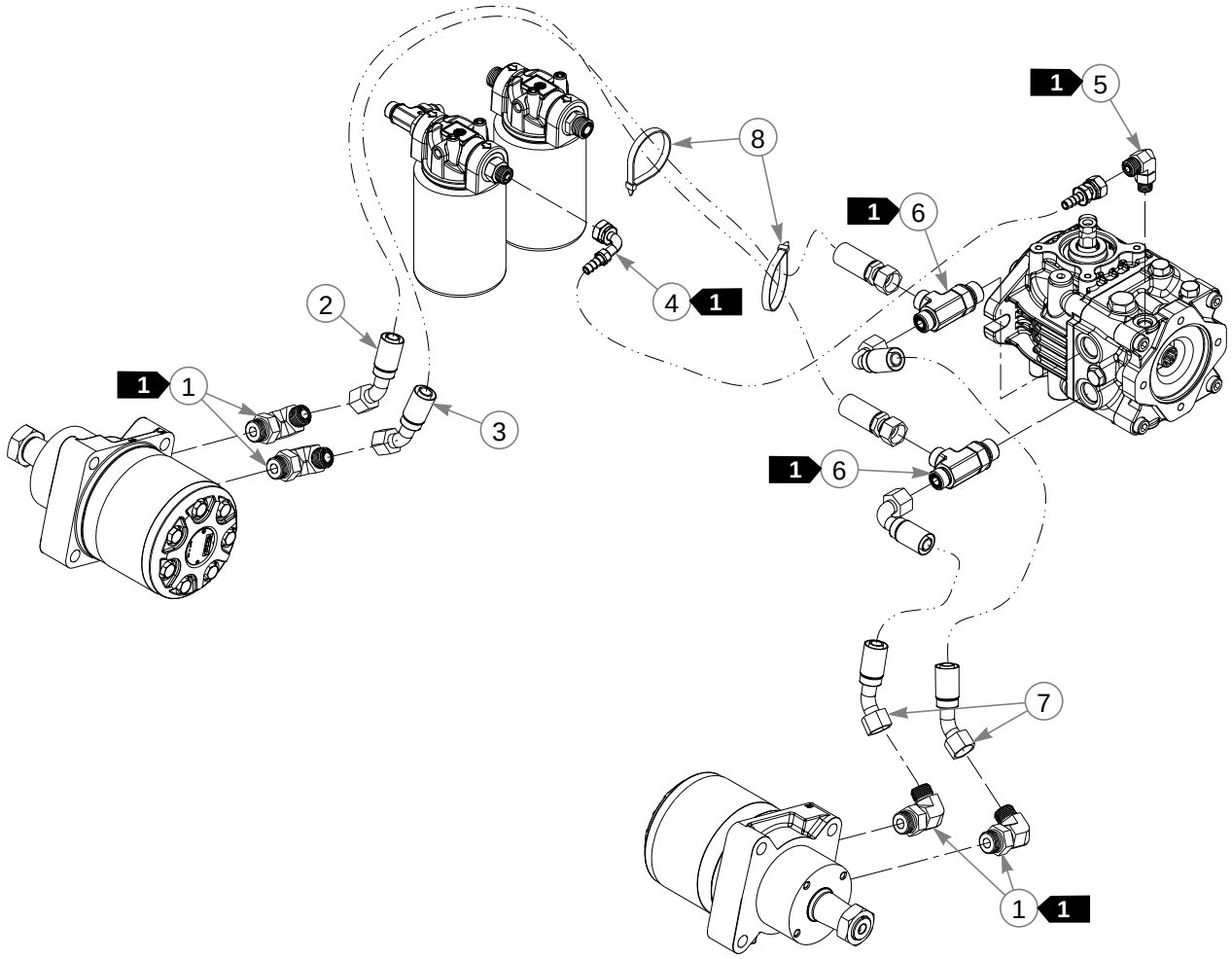
Manifold Block—Cont.

INDEX NO.	PART NO.	QTY.	DESCRIPTION
27	781658	1	FTG, -8 MORB HEX PLUG
28	601569	1	FTG, -8 MORB HEX PLUG
29	602450	10	FTG, -4 MORB HEX PLUG
30	602458	1	VALVE
31	602454	4	SOLENOID CARTRIDGE VALVE
32	602456	1	RELIEF VALVE CARTRIDGE
33	602457	1	VALVE
34	602455	1	CHECK VALVE CARTRIDGE
35	603159	1	VALVE

NOTES:

SEAL KITS		
O	603428	SEAL KIT, PO CHECK
P	603429	SEAL KIT, 2 WAY 2 POS VALVE
Q	603431	SEAL KIT, 4 WAY 3 POS VALVE

Traction Drive



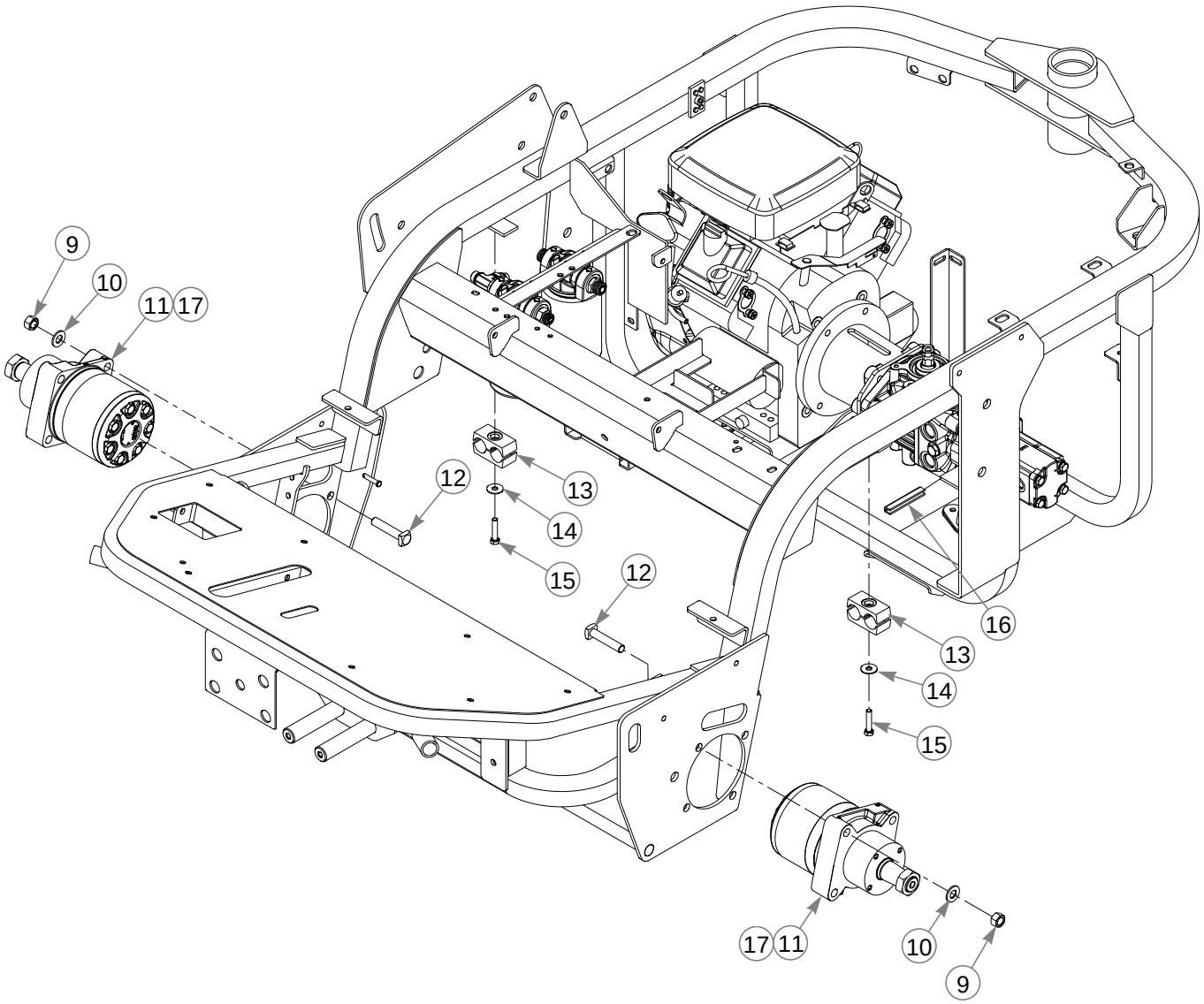
Traction Drive

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	781526	4	FTG, 90°-10 MORB/-8 MORFS
2	602490	1	HOSE ASSY, RIGHT WHEEL
3	602491	1	HOSE ASSY, RIGHT WHEEL
4	602499	1	HOSE ASSY, HST SUPPLY
5	748574	1	FTG, 6 MORB/6 MSL 90
6	602446	2	FTG, TEE 10 MORB/8 MSL
7	602488	2	HOSE ASSY, LEFT WHEEL
8	060889	2	WIRE TIE

NOTES:

1. Orient as shown.

Traction Drive

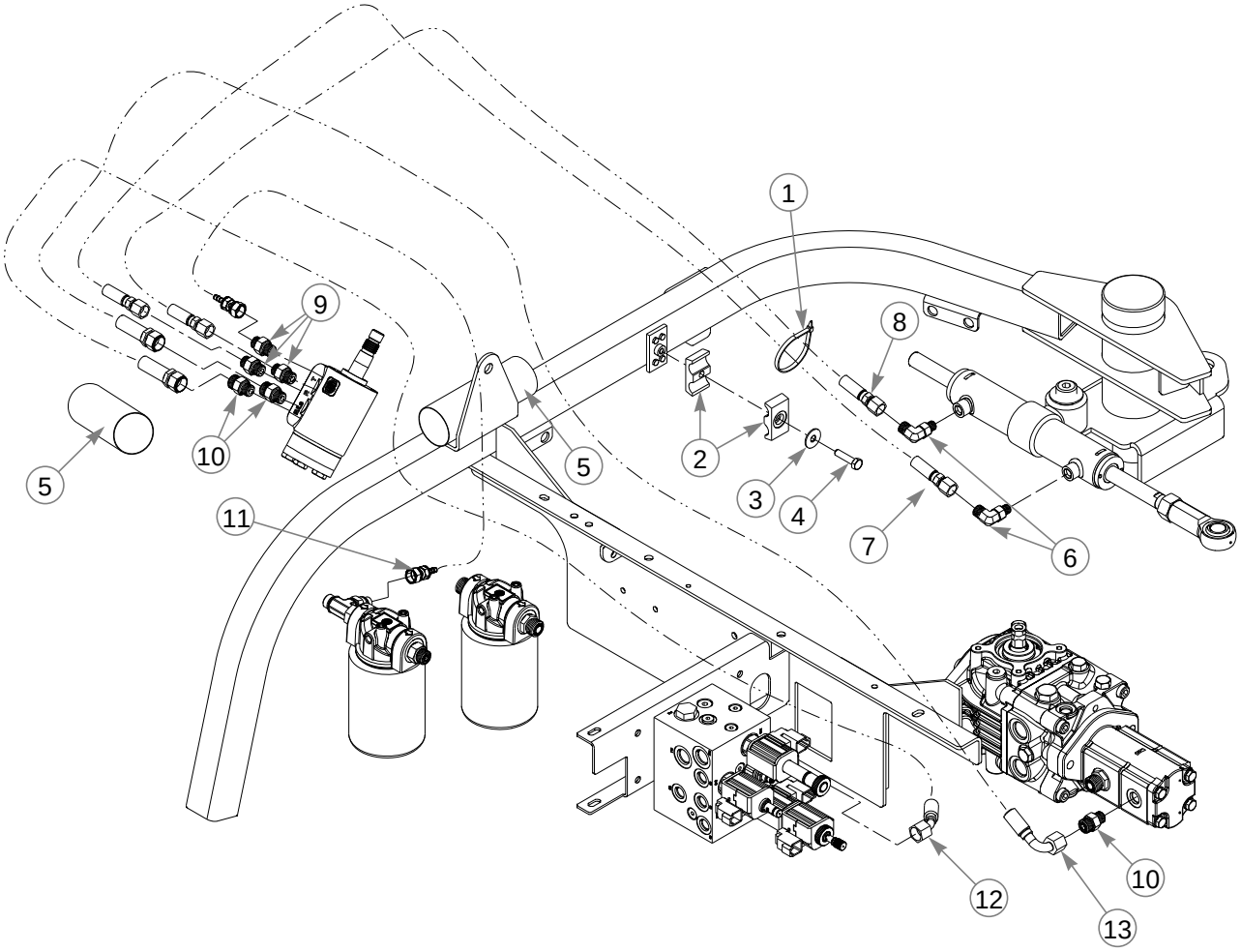


Traction Drive

INDEX NO.	PART NO.	QTY.	DESCRIPTION
9	008193	8	NT .500-13 HX G5 ZNYC
10	767962	8	FW .531 X 1.063 X .090 SAE
11	602390	2	MOTOR
12	602256	8	CS .500-13 X 2.500 SQ G5
13	602606	2	HOSE CLAMP, 1.00
14	079210	2	FW .344 X 1.00 X .06 ZNYC
15	050161	2	CS .312-18 X 1.750 HX G5
16	033001	.25’	TRIM
17	748806	2	SEAL KIT–MOTOR

NOTES:

Hydraulic—Steering

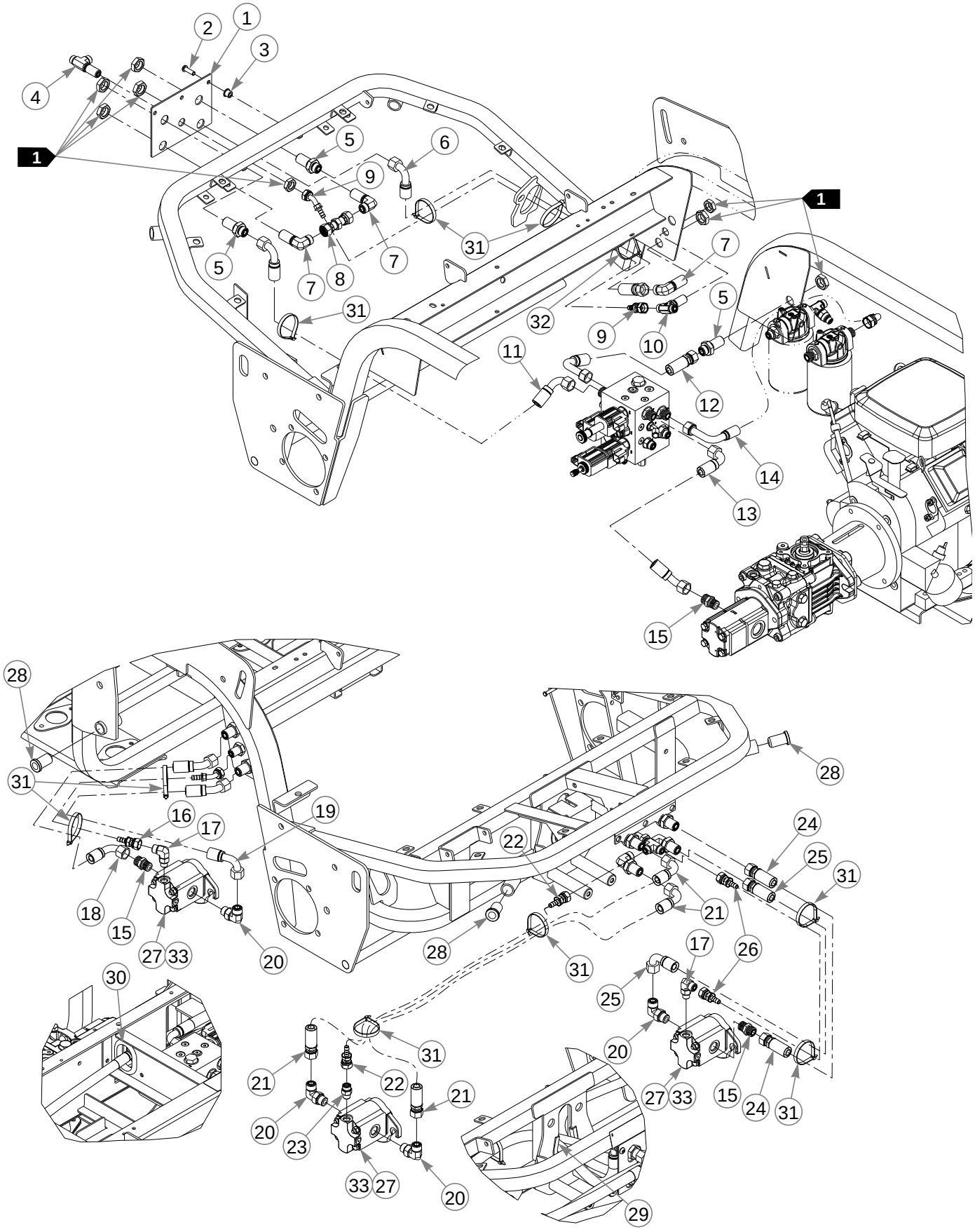


Hydraulic—Steering

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	000331	1	WIRE TIE, SMALL/SHORT
2	602604	1	HOSE CLAMP, .625
3	079210	1	FW .344 X 1.00 X .06 ZNYC
4	079186	1	CS .312-18 X 1.250 HX G5
5	603360	1	PROTECTIVE SLEEVE
6	602584	2	FTG, 4MORB/4MSL 90
7	602496	1	HOSE ASSY, MOTOR RIGHT
8	602495	1	HOSE ASSY, MOTOR LEFT
9	602760	3	FTG, 6MORB/4MSL STR
10	792150	3	FTG, STR-6MORB/-6MS
11	602494	1	HOSE ASSY, MOTOR RETURN
12	602493	1	HOSE ASSY, MOTOR-BLOCK
13	602492	1	HOSE ASSY, PUMP-MOTOR

NOTES:

Hydraulic Reel Drive



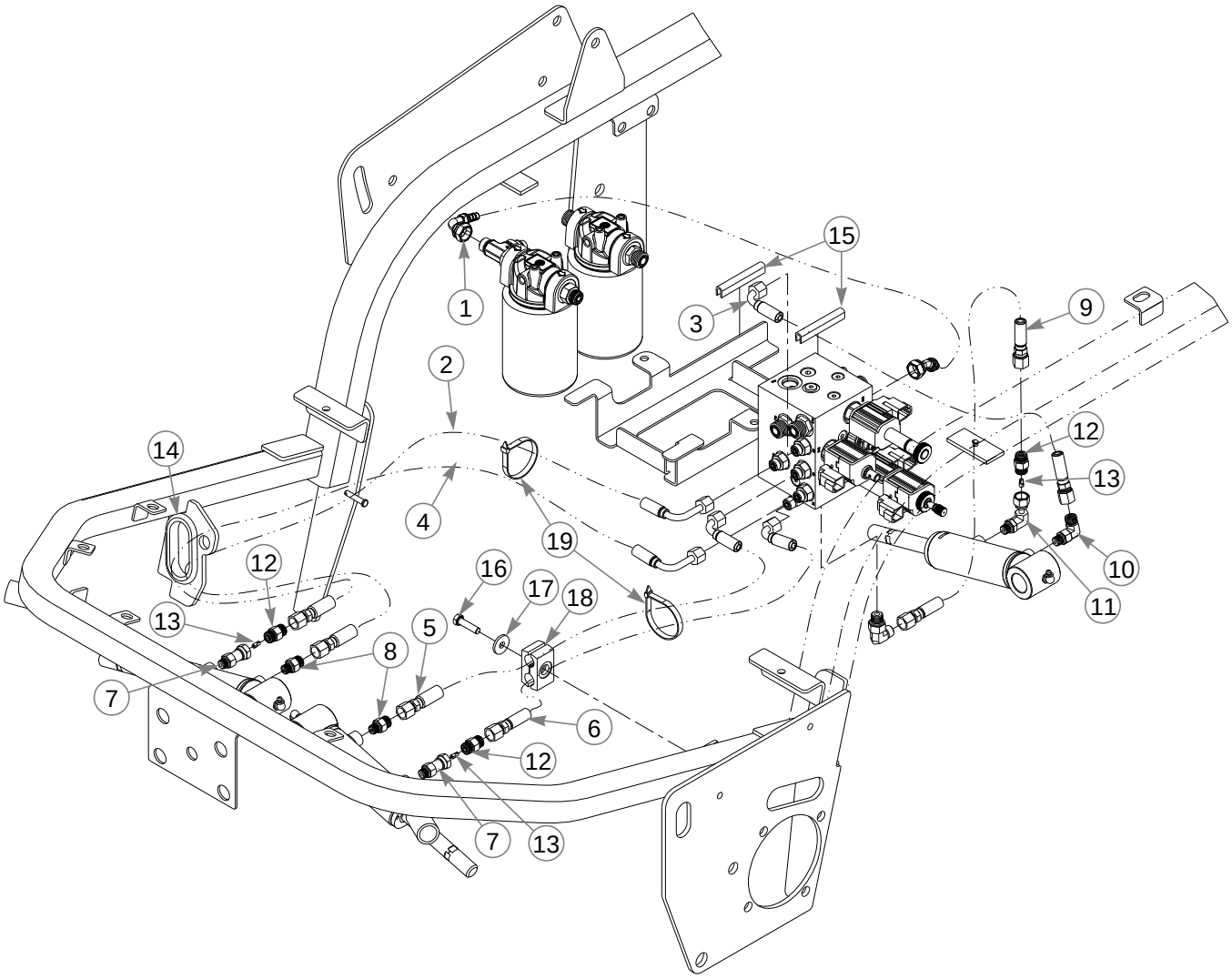
Hydraulic Reel Drive

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	114470	1	HYDRO PLATE
2	602727	3	CS .312-18X1.0 BHSK ZNYC
3	808485	3	RIVET NUT, 5/16-18 THREAD
4	602622	1	FTG, 6MSL RUN TEE BULKHEAD
5	602623	3	FTG, 8MSL STR BULKHEAD
6	603330	1	HOSE ASSY, FRONT TO REAR REEL SUPPLY
7	602624	3	FTG, 8MSL 90 BULKHEAD
8	602626	1	FTG, 8FSL SWVL UNION
9	603331	1	HOSE ASSY, FRONT TO REAR REEL CASE DRAIN
10	602625	1	FTG, 6MSL BRANCH T BULKHEAD
11	603329	1	HOSE ASSY, REEL SUPPLY FRONT CIRCUIT
12	602621	1	HOSE ASSY, REEL RETURN REEL CIRCUIT
13	602614	1	HOSE ASSY, PUMP-BLOCK REEL CIRCUIT
14	602617	1	HOSE ASSY, BLOCK FILTER REEL CIRCUIT
15	781534	3	FTG, STR-8MORB/8MSL
16	602615	1	HOSE ASSY, REAR REEL CASE DRAIN
17	748574	2	FTG, 6MORB/6MSL 90
18	602518	1	HOSE ASSY, REAR REEL RETURN
19	602517	1	HOSE ASSY, REAR REEL SUPPLY
20	781542	4	FTG, 90-8MORB/-8MORFS
21	602508	2	HOSE ASSY, RIGHT REEL SUPPLY
22	602510	1	HOSE ASSY, RIGHT REEL CASE DRAIN
23	792150	1	FTG, STR-6MORB/6MSL
24	602511	1	HOSE ASSY, LEFT REEL SUPPLY
25	602512	1	HOSE ASSY, LEFT REEL RETURN
26	602513	1	HOSE ASSY, LEFT REEL CASE DRAIN
27	602424	3	GEAR MOTOR, 12CC
28	603176	3	GM, .625 X .875 X 1.687 LONG
29	033001	6"	FLEX TRIM
30	603289	1	GM, 2.25ID X 3.0OD X 2.5GD
31	060889	9	WIRE TIE, BIG/LONG
32	000430	1	WIRE TIE, SMALL/LONG
33	603402	3	SEAL KIT–GEAR MOTOR

NOTES:

1. Nuts included with respective bulkhead fittings.

Hydraulic Reel Lift



Hydraulic Reel Lift

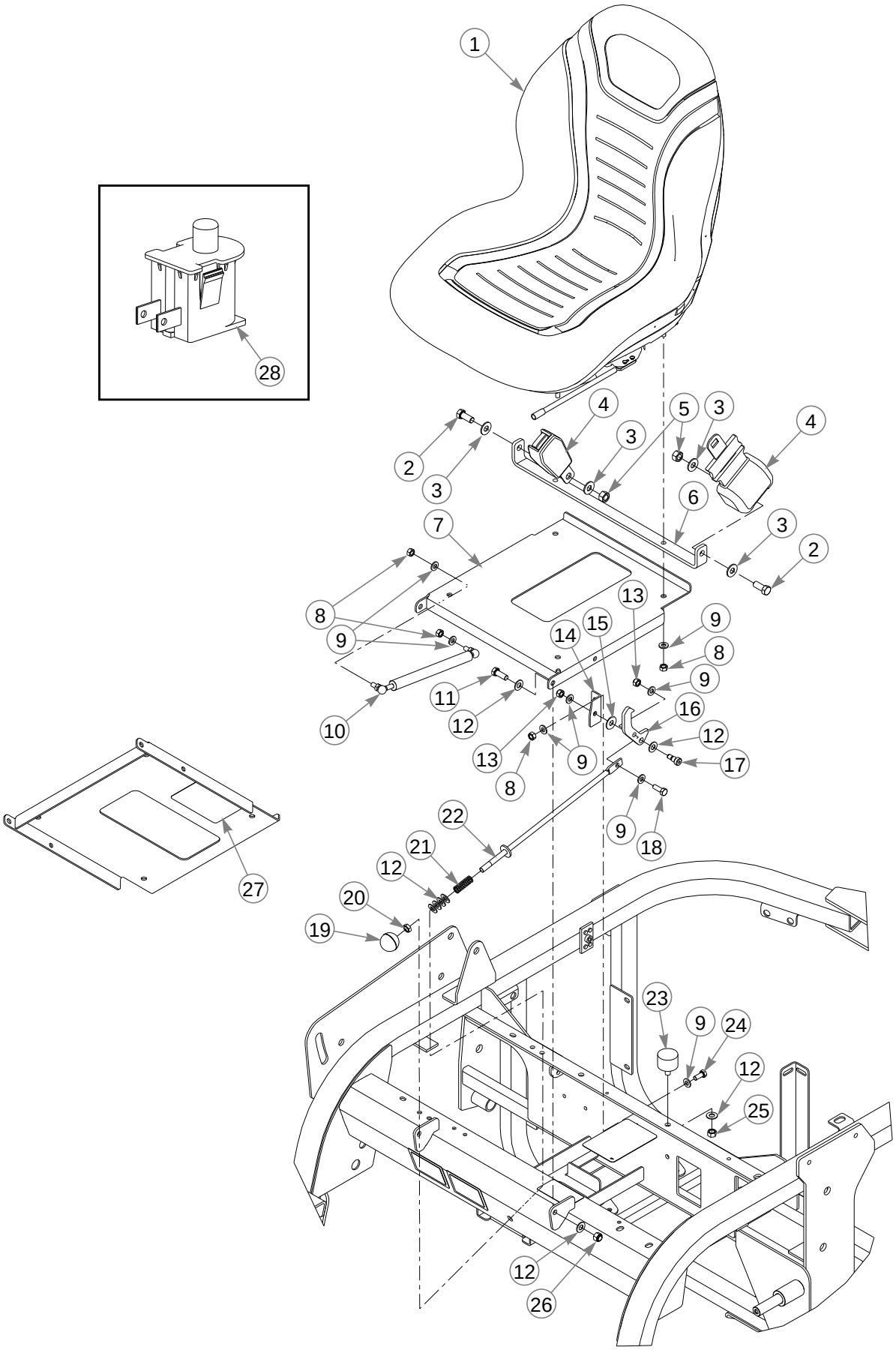
INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602497	1	HOSE ASSY, BLOCK FILTER
2	602502	1	HOSE ASSY, FRONT BLANK
3	602505	1	HOSE ASSY, REAR BLANK
4	603286	1	HOSE ASSY, FRONT ROD
5	603288	1	HOSE ASSY, FRNT BLANK LS
6	603287	1	HOSE ASSY, FRONT ROD LS
7	603198	2	FTG, 4MORB/4FSL STR SWVL
8	602918	2	FITTING, 4MORB/4MSL STR
9	602506	1	HOSE ASSY, REAR ROD
10	602584	1	FTG, 4MORB/4MSL 90
11	602890	1	FTG, 4MORB/4FSL 90 SWL
12	602892	3	FTG, ORIFICE CHECK
13	602893	3	ORIFICE POPPIT
14	603289	1	GM, 2.25ID X 3.0OD X 2.5GD
15	033001	6"	TRIM
16	079186	1	CS .312-18 X 1.250 HX G5
17	712927	1	FW .344 X 1.00 X.12 HRD Z
18	602604	1	HOSE CLAMP, .625
19	060889	2	WIRE TIE, BIG/LONG

NOTES:

Section 8

Seat 8-2
ROPS. 8-4

Seat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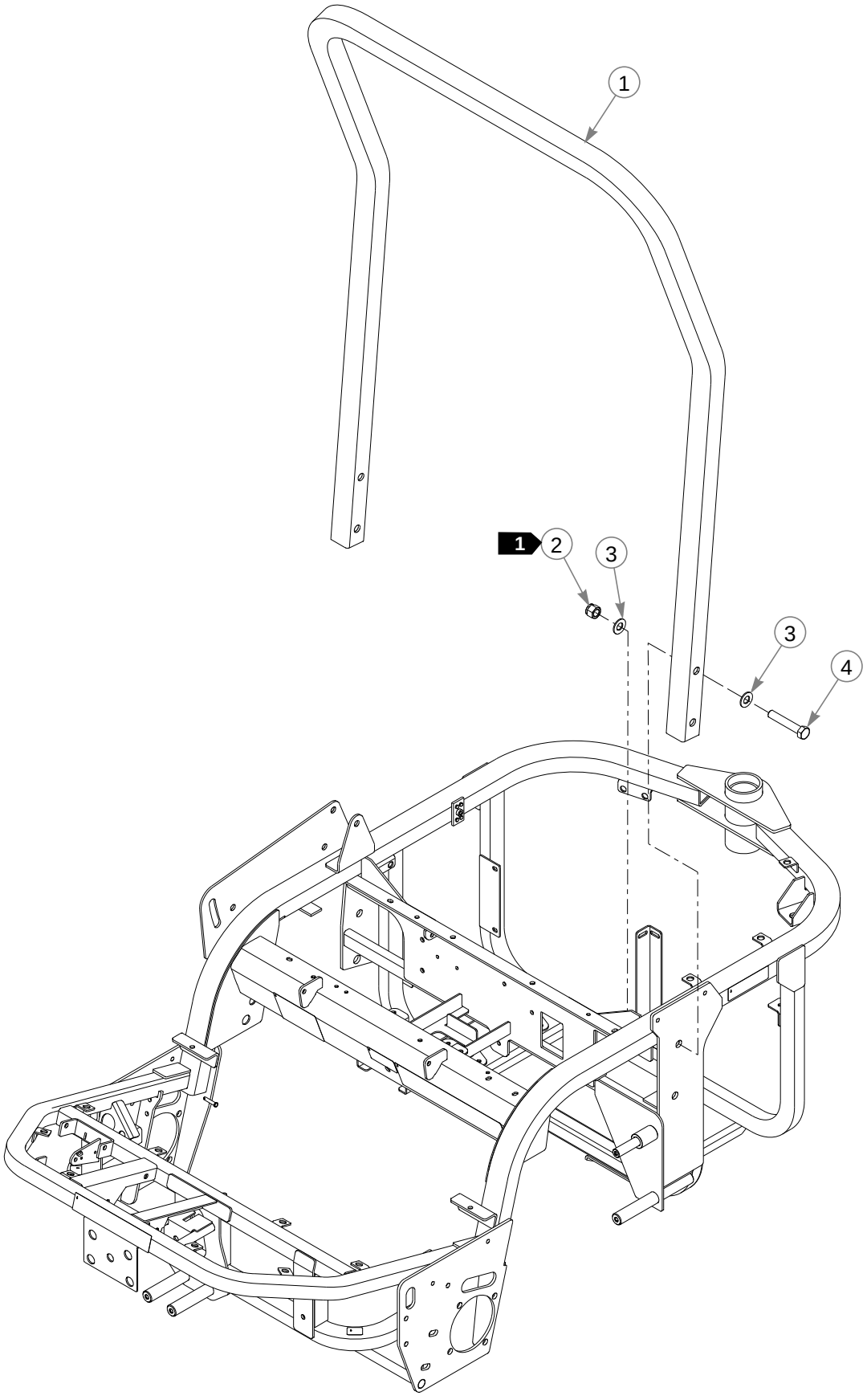
Seat

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602475	1	SEAT
2	797076	2	CS .437-20 X 1.00 HX G8 ZNYC
3	017129	4	FW .440 X 1.000 X .083 ZNY
4	601444	1	SEAT BELT
5	704635	2	NT .437-20 HX GR5 ZNYC
6	794610	1	SEAT BELT CROSS BAR
7	112102	1	SEAT PAN
8	034272	8	NT .312-18 HX G5 ZNYC
9	768523	13	FW .343 X .687 X .051/.080H
10	601241	1	GAS SPRING
11	036244	2	CS .375-16 X 1.000 HX G5
12	767954	11	FW .406 X .812 X .060 SAE
13	058776	2	NT .312-18 HXZY NL
14	112837	1	LATCH SUPPORT
15	601507	1	FW .406 X 1.000 X .06 NYLON
16	112836	1	LATCH HOOK
17	754358	1	SB .375 X .375 SH .312-18
18	064014	1	CS .312-18 X .875 HX G5 ZN
19	601059	1	KNOB
20	706176	1	NT .375-24 HX JAM ZN G5
21	601131	1	SPRING
22	112875	1	LATCH ROD
23	601650	2	VIBRATION MOUNT
24	034280	2	CS .312-18 X .750 HX G5
25	054502	2	NT .375-16 HX GRD 5 ZNY
26	086660	2	NT .375-16 HXZY NL
27	601815	1	BATTERY WARNINGS DECAL
28	793315	1	SEAT SWITCH

NOTES:

ROPS



ROPS

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	602476	1	ROPS (WITH DECALS)
2	058768	4	NT .625-11 HXZY NY
3	728030	8	FW .656 X 1.312 X .090 ZNY
4	047704	4	CS .625-11 X 3.500 HX G5

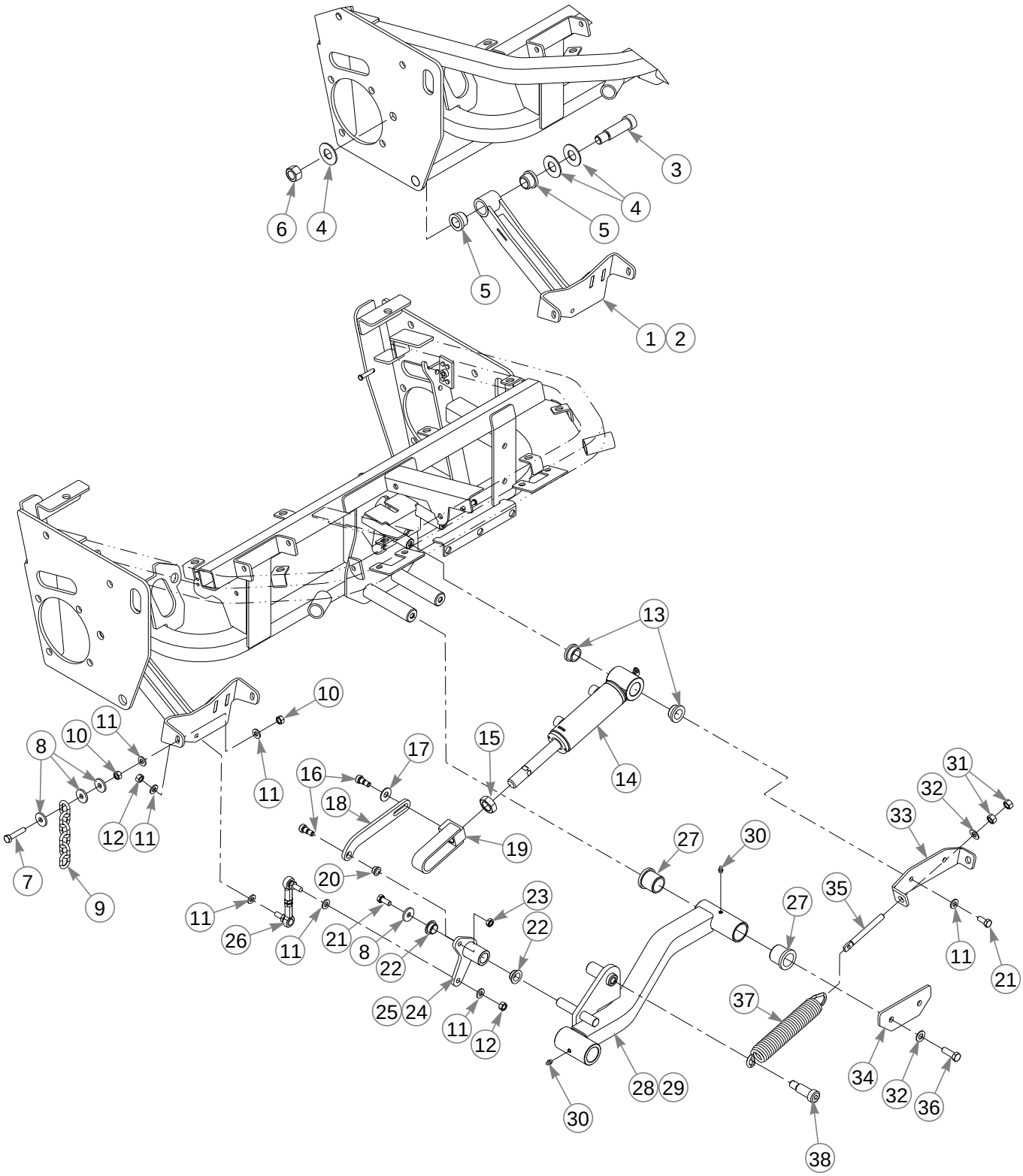
NOTES:

1. Torque to 145 ft-lbs.
2. Replace decals in the event they become worn or illegible.

Section 9

Front Lift Arm 9-2
Rear Lift Arm 9-6

Front Lift Arm



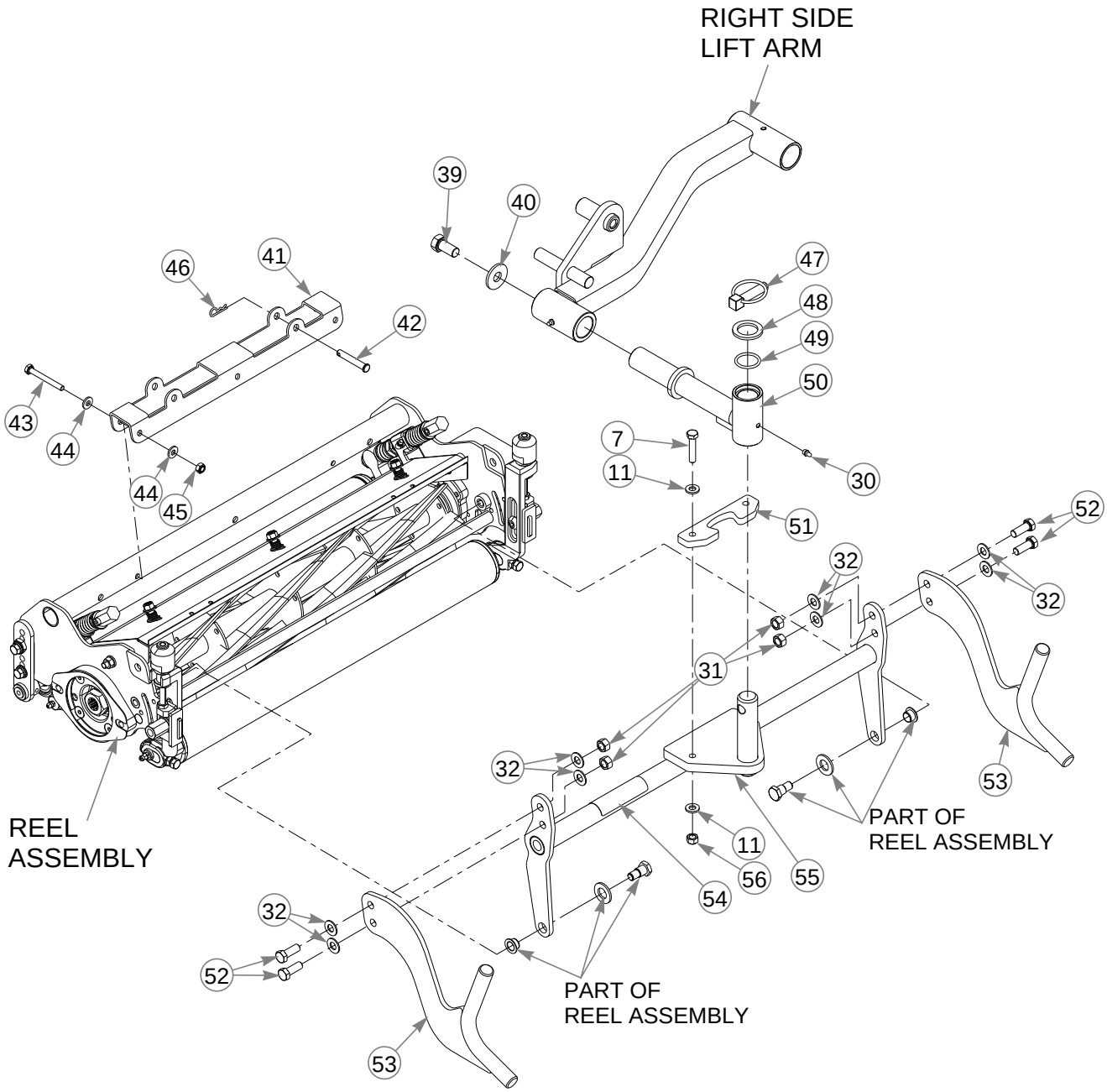
Front Lift Arm

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	114292	1	RS FRONT STABILIZER
2	114293	1	LS FRONT STABILIZER (NOT SHOWN)
3	601084	2	SB .750 X 2.000 SH.625-11
4	025296	6	FW .760 X 1.625 X .08 ZNYC
5	781153	4	BUSHING
6	016972	2	NT .625-11 HX G5 ZNYC
7	052837	8	CS .312-18 X 1.500 HX G5
8	712927	14	FW .344 X 1.00 X.12 HRD Z
9	113886	4	REEL LIFT CHAIN
10	034272	8	NT .312-18 HX G5 ZNYC
11	768523	26	FW .343 X .687 X .051/.080H
12	041152	4	NT .312-24 HX ZNYC
13	770867	4	BUSHING
14	602418	2	SINGLE ROD CYLINDER
15	603083	2	NT .750-16 HX G5 ZN JAM
16	754358	4	SB .375 X .375 SH .312-18
17	601507	2	FW .406 X 1.000 X .06 NYLON
18	114302	2	LIFT ARM DOG BONE
19	603308	2	LIFT YOKE
20	765339	2	BUSHING
21	034280	4	CS .312-18 X .750 HX G5
22	602539	4	BUSHING .625 I.D.
23	706143	2	NT .312-18 HX JAM GR5 ZY
24	114281	1	RS REEL LIFT
25	114291	1	LS REEL LIFT (NOT SHOWN)
26	781583	2	BRAKE ROD
27	602397	4	BUSHING, 1.00 I.D.
28	112005	1	RS FRONT LIFT ARM
29	112006	1	LS FRONT LIFT ARM (NOT SHOWN)
30	015495	6	GREASE FITTING STRAIGHT
31	054502	12	NT .375-16 HX GRD 5 ZNY
32	767954	20	FW .406 X .812 X .060 SAE
33	112136	1	REEL LIFT SPRING ANCHOR
34	112000	1	LIFT ARM RETAINER
35	601486	2	EB, .375-16 X 3.00 FULL THD
36	005132	2	CS .375-16 X 1.12 HX G5 Z
37	601016	2	IDLER SPRING
38	041855	2	SB .625 X 1.250 SH.500-13

NOTES:

1. Right side assembly is shown; left side assembly is similar.

Front Lift Arm



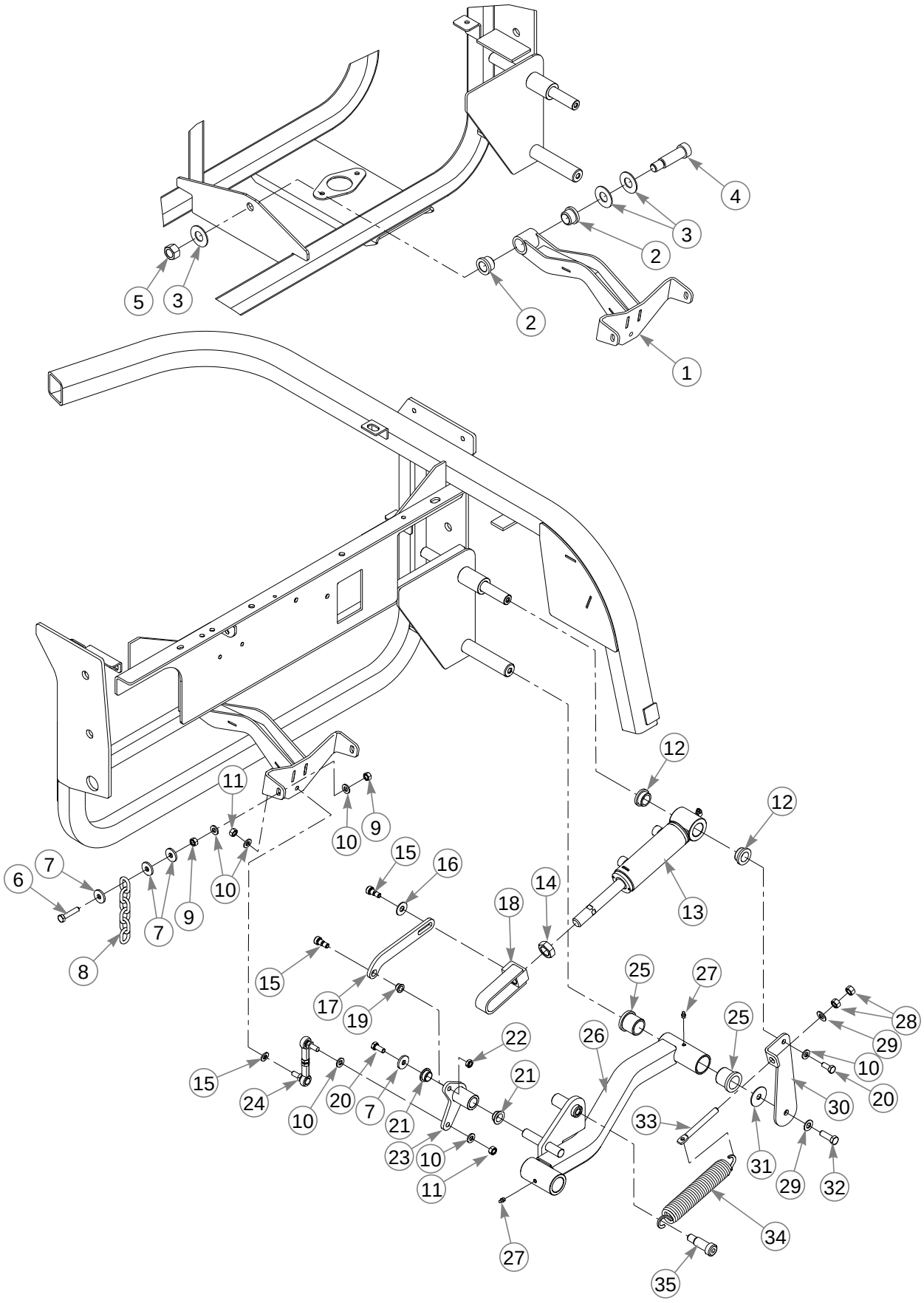
Front Lift Arm

INDEX NO.	PART NO.	QTY.	DESCRIPTION
39	016527	2	CS .500-13 X 1.00 HX G5 ZN
40	712976	2	FW .531 X 1.375 X .125 ZNY
41	113873	2	CHAIN BRACKET
42	063552	4	CE .310 X 1.87 .150 X 1.73
43	705608	6	CS .250-20 X 2.25 HX G5 Z
44	768515	12	FW .281 X .625 X .051/.080H
45	068551	6	NT .250-20 HXZY NL
46	706549	4	HP .08 0D X 1.19
47	602865	2	.438 X 1.750 LYNCH PIN
48	045765	2	FW 1.030 X 1.500 X .134 ZN
49	601375	2	O-RING, SAE-14
50	112014	2	ROLLING ARM
51	112817	2	FRONT REEL STOP
52	036244	8	CS .375-16 X 1.000 HX G5
53	112772	4	BASKET RETAINER
54	602925	2	REEL SAFETY DECAL
55	551015	2	REEL CARRIER W/ DECAL
56	058776	4	NT .312-18 HXZY NL

NOTES:

2. Right side assembly is shown; left side assembly is similar.

Rear Lift Arm

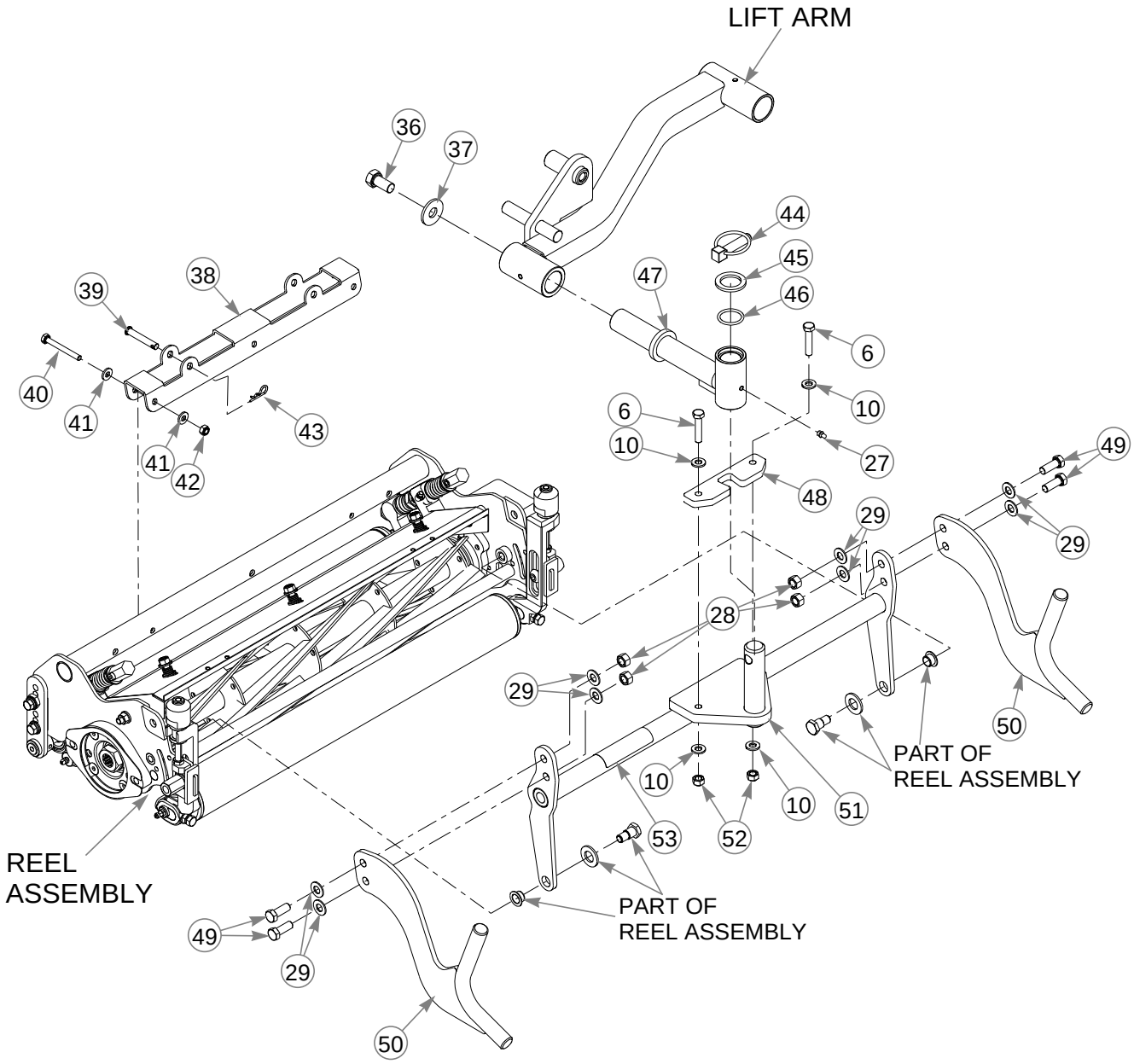


Rear Lift Arm

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	114294	1	STABILIZER ARM, REAR
2	781153	2	BUSHING
3	025296	3	FW .760 X 1.625 X .08 ZNYC
4	601084	1	SB .750 X 2.000 SH.625-11
5	016972	1	NT .625-11 HX G5 ZNYC
6	052837	4	CS .312-18 X 1.500 HX G5
7	712927	7	FW .344 X 1.00 X.12 HRD Z
8	113886	2	REAR REEL LIFT CHAIN
9	034272	4	NT .312-18 HX G5 ZNYC
10	768523	13	FW .343 X .687 X .051/.080H
11	041152	2	NT .312-24 HX ZNYC
12	770867	2	BUSHING
13	602418	1	SINGLE ROD CYLINDER
14	603083	1	NT .750-16 HX G5 ZN JAM
15	754358	2	SB .375 X .375 SH .312-18
16	601507	1	FW .406 X 1.000 X .06 NYLON
17	114302	1	LIFT ARM DOG BONE
18	603308	1	LIFT YOKE
19	765339	1	BUSHING
20	034280	2	CS .312-18 X .750 HX G5
21	602539	2	BUSHING .625 I.D.
22	706143	1	NT .312-18 HX JAM GR5 ZY
23	114281	1	RS REEL LIFT
24	781583	1	BRAKE ROD
25	602397	2	BUSHING, 1.00 I.D.
26	112005	1	RS FRONT LIFT ARM
27	015495	3	GREASE FITTING STRAIGHT
28	054502	6	NT .375-16 HX GRD 5 ZNY
29	767954	10	FW .406 X .812 X .060 SAE
30	114305	1	REAR LIFT SPRING ANCHOR
31	798264	1	FW .406 X 1.50 X .06 ZNYC
32	005132	1	CS .375-16 X 1.12 HX G5 Z
33	601486	1	EB, .375-16 X 3.00 FULL THD
34	601016	1	IDLER SPRING
35	041855	1	SB .625 X 1.250 SH.500-13

NOTES:

Rear Lift Arm



Rear Lift Arm

INDEX NO.	PART NO.	QTY.	DESCRIPTION
36	016527	1	CS .500-13 X 1.00 HX G5 ZN
37	712976	1	FW .531 X 1.375 X .125 ZNY
38	113873	1	REAR CHAIN BRACKET
39	063552	2	CE .310 X 1.87 .150 X 1.73
40	705608	3	CS .250-20 X 2.25 HX G5 Z
41	768515	6	FW .281 X .625 X .051/.080H
42	068551	3	NT .250-20 HXZY NL
43	706549	2	HP .08 0D X 1.19
44	602865	1	.438 X 1.750 LYNCH PIN
45	045765	1	FW 1.030 X 1.500 X .134 ZN
46	601375	1	O-RING, SAE-14
47	112014	1	ROLLING ARM
48	112818	1	REAR REEL STOP
49	036244	4	CS .375-16 X 1.000 HX G5
50	112772	2	BASKET RETAINER
51	551015	1	REEL CARRIER (W/ DECAL)
52	058776	2	NT .312-18 HXZY NL
53	602925	1	REEL SAFETY DECAL

NOTES:

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